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USAFETAC/DS-80/003

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY C
SURFACE WEATHER OBSERVATIONS

WHEELER AFB MI WBAN# 22508
N 21 29 W 158 02 FLD ELEV 840 FT PHHI WMO # 91170

PARTS A-F
FOR FROM HOURLY OBS: AUG 67 - DEC 70, JAN 73 - JUL 79
FOR FROM DAILY OBS : APR 64 - JUL 79

TIME CONVERSION FROM GMT TO LST: -10

JAN 11 1980

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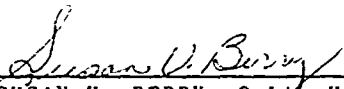
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This technical report has been reviewed and is approved for publication.


SUSAN V. BERRY, 2 Lt, USAF
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FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
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27 FEB 1977

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 80/003	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Wheeler AFB, Wahiawa, Hawaii		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 11 Jan 80
		13. NUMBER OF PAGES p.
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES This supersedes AD-A074 677		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperature Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative humidity *Climatological data (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Wheeler AFB, Wahiawa, Hawaii It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

FORM 1473

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CLASSIFICATION OF THIS PAGE (When Data Entered)

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* Hawaii

* Wheeler AFB, HI

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

WHEELER AFB HI IS A LIMITED
OBSERVATION STATION FOR THE FOLLOWING
PERIOD OF RECORD:

SEP 65 - JUL 79 17 OBS/DAY

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY 00-02

APRIL

JULY

OCTOBER 00-02

FEBRUARY 00-02

MAY

AUGUST 00-02

NOVEMBER

MARCH

JUNE 00-02

SEPTEMBER

DECEMBER

STATION NO ON SUMMARY 22508	STATION NAME WHEELER AFB HAWAII/WAHIWA	LATITUDE N 21 29	LONGITUDE W 158 02	FIELD ELEV (FT) 840	CALL SIGN P-111	WMO NUMBER 911720
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		DBS PER DAY
			FROM	TO			FEET (FT)	HT BARD	
1	Wheeler AFB Wahiawa Hawaii	AFB	Aug 63	Aug 65	N 21 29	W 158 02	836 ft	826 ft	15
2	Same	Same	Sep 65	Mar 68	Same	Same	948 ft	Same	17
3	Same	Same	Apr 68	Jul 79	Same	Same	840 ft	Same	17

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Aug 63	Located 300 ft SW of bldg #207 (weather station)	GMQ-1A	ML 204B	16 ft	
2	Aug 65	Located 500 ft SW of bldg #207 (weather station)	GMQ-11	RO-2	15 ft	
3	Mar 66	Located 300 ft SW of weather stn	Same	Same	Same	
4	Jan 71	Same	GMQ-20	RO-362	13 ft	
5	Jul 79	Same	Same	Same	Same	

U S AIR FORCE
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APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF- WEATHER SERVICE/MAC

WEATHER CONDITIONS

22006 STATION WHEELER AFB HI 68-70,73-79 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02												93
	03-05		15.4				15.4						26
	06-08	.5	13.1				13.1	2.5	.1			2.6	255
	09-11	.4	13.0				13.0	1.4				1.4	906
	12-14	.2	13.7				13.7	1.1	.2			1.3	906
	15-17	.1	11.6				11.6	.9	.3			1.2	902
	18-20		11.2				11.2	1.2	.1			1.4	813
	21-23	.9	10.8				10.9	1.8				1.6	455
TOTALS		.3	11.2				11.2	1.1	.1			1.2	4956

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/HAC

WEATHER CONDITIONS

22508
STATION

WHEELER AFB HI
STATION NAME

66-70, 73-79

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST.	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PREC.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
FEB	00-02												65
	03-05												6
	06-08	.3	14.6				14.6	1.5	.3			1.6	790
	09-11	.4	13.6				13.6	1.7	.2			1.9	845
	12-14	.6	12.9				12.9	1.7				1.7	846
	15-17	.4	10.8				10.8	1.4			.1	1.5	845
	18-20	.1	10.8				10.8	.5	.1			.5	775
	21-23		11.1				11.1						841
TOTALS		.2	9.2				9.2	.9	.1		.0	.9	4635

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		1.1				1.1						95
	03-05		25.0				25.0						4
	06-08	.1	20.9				20.9	.5	.1			.6	879
	09-11		18.5				18.5	.1				.1	930
	12-14	.1	12.9				12.9	.4				.4	929
	15-17	.3	12.6				12.6	.2				.2	929
	18-20	.2	16.7				16.7	.2				.2	880
	21-23		15.7				15.7	.6				.6	477
TOTALS		.1	15.4				15.4	.3	.0			.3	5123

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508 WHEELER AFB HI 68-70,73-79 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02												96
	03-05		11.1				11.1						9
	06-08	.4	17.2				17.2	.5				.5	836
	09-11	.3	16.0				16.0	.6				.6	894
	12-14	1.2	13.9				13.9	.1				.1	893
	15-17	.6	12.2				12.2	.1				.1	894
	18-20	.4	16.7				16.7	.1				.1	830
	21-23	.2	20.0				20.0						456
TOTALS		.4	13.4				13.4	.2				.2	4908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02		2.1				2.1						97
	03-05												
	06-08		12.6				12.6	.8	.2			1.1	856
	09-11		11.2				11.2	.3	.3			.6	926
	12-14	.5	10.8				10.8	.1	.3			.4	928
	15-17	.3	11.0				11.0	.4	.8			1.2	930
	18-20	.5	12.0				12.0	1.2	.9			1.9	845
	21-23	.4	11.7				11.7	.6	.9			1.5	469
TOTALS		.2	10.2				10.2	.5	.5			1.0	5051

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508
STATION

HEELER AFB HI
STATION NAME

68-70, 73-79

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02												90
	03-05		14.3				14.3						7
	06-08		16.4				16.4	.6	.2			.8	836
	09-11		11.8				11.8		.3			.3	896
	12-14	.3	10.3				10.3	.2	.7			.9	897
	15-17	.2	6.9				6.9		.7			.7	896
	18-20		9.4				9.4	.2	.7			1.0	823
	21-23		15.5				15.5	.2	.9			1.1	446
TOTALS		.1	10.6				10.6	.2	.4			.6	4891

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

WEATHER CONDITIONS

22538
STATION

WHEELER AFB HI
STATION NAME

66-70, 73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUL	00-02		4.0				4.0						100
	03-05		14.3				14.3						7
	06-08		12.9				12.9	.5				.5	854
	09-11		10.2				10.2	.3				.3	927
	12-14		6.9				6.9						926
	15-17		7.8				7.8	.1	.2			.3	922
	18-20		10.4				10.4						827
	21-23		17.0				17.0	.2				.2	453
TOTALS			10.4				10.4	.1	.0			.2	5016

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508
STATIONHEELER AFB MI
STATION NAME

57-70, 73-78

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02												124
	03-05		20.0				20.0						10
	06-08	.1	12.3				12.3	.8				.8	879
	09-11	.1	11.3				11.3	.5				.5	930
	12-14		6.8				6.8						930
	15-17		4.2				4.2						929
	18-20		6.0				6.0						850
	21-23		12.7				12.7						489
TOTALS		.0	9.2				9.2	.2				.2	5141

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02												126
	03-05												2
	06-08		8.1				8.1	.1	.4			.5	842
	09-11		7.8				7.8		.3			.3	899
	12-14	1.0	6.8				6.8						898
	15-17	.9	8.3				8.3						899
	18-20	.4	7.6				7.6	.1				.1	824
	21-23	.4	8.8				8.8						466
TOTALS		.3	5.9				5.9	.0	.1			.1	4956

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

22502
STATIONWHEELER AFB HI
STATION NAME67-70, 73-78
YEARSOCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02												124
	03-05												3
	06-08	.2	8.4				8.4	.8	.2			1.0	866
	09-11	.1	7.2				7.2	.3	.5			.9	930
	12-14	.8	9.7				9.7	.1	.8			.9	930
	15-17	1.0	10.2				10.2	.2	1.1			1.2	930
	18-20	.4	10.3				10.3	.4	1.1			1.4	831
	21-23		8.9				8.9		.4			.4	459
TOTALS		.3	6.8				6.8	.2	.5			.7	5073

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

22500
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02	.8	1.6				1.6						124
	03-05		33.3				33.3						6
	06-08	.4	13.3				13.3	1.4				1.4	830
	09-11		12.9				12.9	1.2				1.2	885
	12-14	.5	13.7				13.7	1.5				1.5	966
	15-17	1.0	13.6				13.6	.9				.9	880
	18-20	.6	16.0				16.0	.8	.1			.9	781
	21-23	.7	15.5				15.5	1.3				1.3	445
TOTALS		.5	15.0				15.0	.9	.0			.9	4837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

22538
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		2.2				2.2						137
	03-05		30.0				30.0						20
	06-08	.1	15.0				15.0	2.2				2.2	828
	09-11	.2	15.4				15.4	1.5	.6			1.8	368
	12-14		13.0				13.0	.9	.3			1.3	870
	15-17	.2	15.2				15.2	1.3				1.3	856
	18-20		12.2				12.2	1.4	.1			1.5	740
	21-23		15.2				15.2	1.0	.3			1.3	388
TOTALS		.1	14.8				14.8	1.0	.2			1.2	4727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

22508 STATION WHEELER AFB MI 67-70, 73-79 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.3	11.2				11.2	1.1	.1			1.2	4956
FEB		.2	9.2				9.2	.9	.1		.3	.9	4635
MAR		.1	15.4				15.4	.3	.0			.3	5123
APR		.4	13.4				13.4	.2				.2	4908
MAY		.7	10.2				10.2	.5	.5			1.0	5051
JUN		.1	10.6				10.6	.2	.4			.6	4891
JUL			10.4				10.4	.1	.0			.2	5016
AUG		.0	9.2				9.2	.2				.2	5141
SEP		.3	5.9				5.9	.0	.1			.1	4956
OCT		.3	6.8				6.8	.2	.5			.7	5073
NOV		.5	15.0				15.0	.9	.0			.9	4837
DEC		.1	14.8				14.8	1.0	.2			1.2	4727
TOTALS		.2	11.0				11.0	.5	.2		.0	.6	59314

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

22506 WHEELER AFB HI 64-79 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	4.0	54.2				54.2	9.3	1.5			10.1	454
FEB		2.4	51.3				51.3	6.9	.9			7.6	423
MAR		1.9	54.6			.2	54.6	8.0	1.3			8.8	455
APR		4.8	59.1				59.1	4.6	.8			5.0	479
MAY		3.5	54.5				54.5	4.5	1.5			5.5	492
JUN		1.0	57.2				57.2	2.5	.4			2.7	479
JUL		1.4	53.9				53.9	2.8	.2			3.0	495
AUG		.2	53.5				53.5	1.9				1.9	465
SEP		4.0	46.2				46.2	.9	1.1			2.0	450
OCT		4.5	55.3				55.3	4.1	1.9			5.4	465
NOV		5.2	59.0				59.0	6.5				6.5	446
DEC		3.1	52.6				52.6	10.1	1.8			10.3	447
TOTALS		3.0	54.4			.0	54.4	5.2	1.0			5.7	5560

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ENVIRONMENTAL TECHNICAL
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PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

2
 AIR PROCESSION & ANCH
 J. J. TAL
 AIR WEATHER SERVICE/MAL

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01 0.4	02 0.5	06 1.0	11 2.5	26 5.0	51 10.0	101 25.0	251 50.0	501 100.0	1001 200.0	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 0.4	05 1.4	15 2.4	25 3.4	35 4.4	45 6.4	65 10.4	105 15.4	155 25.4	255 50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4	6	12	25	36	48	60	120	OVER 120				
JAN	22.8	20.0	3.9	15.1	9.1	7.3	6.2	5.0	2.2	2.2	.4			57.2	451	5.02	18.25	.24
FEB	11.7	22.2	7.7	14.2	8.4	8.5	4.5	4.3	2.3	1.9				50.4	423	5.09	17.65	.52
MAR	20.4	19.4	9.5	14.8	5.2	9.5	6.2	3.2	1.9	.9				52.3	465	4.16	14.74	.52
APR	19.2	20.0	8.1	20.3	8.6	12.3	5.0	3.5	2.5	.2	.2			63.8	479	4.10	13.46	1.05
MAY	25.2	20.5	9.1	21.5	7.7	7.7	4.5	2.2	1.2	.2				54.3	492	2.78	9.17	.74
JUN	26.1	21.4	9.8	20.9	10.4	7.9	1.3	.8	.8					52.0	479	1.53	3.59	.50
JUL	23.5	22.4	9.9	20.2	10.1	8.7	2.4	1.2	1.0					53.6	494	1.94	4.01	.77
AUG	26.2	23.2	9.5	15.7	11.4	9.0	1.7	1.1	.2					48.6	465	1.46	4.32	.38
SEP	30.4	16.4	13.1	16.4	6.9	6.4	3.6	.9	1.3	.4				51.1	450	2.30	2.60	.46
OCT	24.9	25.6	8.2	15.7	8.4	8.2	3.9	3.0	1.1	1.1				49.5	465	3.63	8.54	.49
NOV	19.1	17.5	9.9	17.3	8.3	11.0	6.3	3.8	4.9	1.1	.9			63.5	446	8.43	18.40	1.34
DEC	26.2	15.2	7.2	14.6	7.4	11.0	9.0	4.5	3.6	.9	.4			58.5	446	13.17	15.93	.70
ANNUAL	25.1	20.6	9.3	17.2	8.5	9.0	4.5	2.9	2.0	.7	.2			54.3	5555	56.61		

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION NAME: 64-70 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
64				.45	.73	.11	1.34	.22	.29	.22	5.21	5.33	
65	1.05	1.41	.97	1.71	2.93	.14	.05	.23	.45	4.34	6.15	6.10	6.10
66	.32	2.22	.17	.27*	.46	.09	2.32	.92	1.31	2.01	5.24*	.78	5.24
67	*.48	.77	3.09	1.38	1.76	2.31	.91	2.18	.40	.59	1.05	2.08	3.09
68	3.54	1.23	1.39	1.55	.53	.12	.65	.11	.73	3.00	2.05	3.27	3.54
69	6.51	3.76	.84	.53	1.00	.13*	.40	.46	.32	.62	1.98*	.42	6.51
70	2.97	.45	.20	.20	.73	.16	1.56	.25	.36	2.02	2.38*	.76	2.97
71	*3.97	1.41	1.44	1.42	.45	1.17	.52	.71	1.97	2.54	1.24*	1.63	*3.97
72	*5.50	1.93	1.06	2.91	.62	.27	.55	.24	1.78	2.15	1.39*	1.62	*5.50
73	*.47	.55	.46	.33	.81	.22*	.57	.38	.26	.60*	1.87*	1.32	*1.87
74	*2.54	1.33	4.66	7.42	1.38*	.83	1.84	.16	3.39	.69	1.95*	.74	7.42
75	*3.40	4.17	1.56	.25	.18	.12	.19	.34	.15	.48	6.54*	.62	6.54
76	*.78	3.84	1.42	.61	.34	.19	.36	.49	.14	.11	.39*	.18	3.84
77	*.33	.54	.94	1.25	2.15	1.14	.18	.12	.13	.43*	.26*	1.53	2.15
78	*.57	.60	.33	1.69	1.79	1.98	.15	.69	.20	4.30*	2.53*	1.00	4.30
79	*1.25	4.31	.64*	.46	.33	.46	.32						
MEAN	2.878	1.901	1.276	1.465	.991	.514	.824	.498	.795	1.606	2.960	4.195	4.820
S D	2.425	1.421	1.185	1.816	.836	.637	.682	.523	.932	1.437	2.169	1.848	
TOTAL OBS	451	423	465	479	492	479	494	465	450	465	446	446	5555

NOTE * (BASED ON LESS THAN FULL MONTHS)

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USAF ETAC FORM 0-88-5 (OLI)

2

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														454	.0	.0	.0
FEB	100.0														423	.0	.0	.0
MAR	100.0														465	.0	.0	.0
APR	100.0														449	.0	.0	.0
MAY	100.0														452	.0	.0	.0
JUN	100.0														479	.0	.0	.0
JUL	100.0														495	.0	.0	.0
AUG	100.0														465	.0	.0	.0
SEP	100.0														450	.0	.0	.0
OCT	100.0														465	.0	.0	.0
NOV	100.0														446	.0	.0	.0
DEC	100.0														447	.0	.0	.1
ANNUAL	100.0														5520	.0	X	X

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Figure 1

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EXTREME VALUES
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
64													
65		.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	
66		.3	.3	.3	.3*	.3	.3	.3	.3	.3	.3	.3	*
67	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	*
68		.7	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	
69		.3	.3	.3	.3	.3	.3	.3	.3	.3	.3*	.3	*
70		.3	.3	.3	.3	.3	.3	.3	.3	.3	.3*	.3	*
71	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3*	*
72	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3*	.3	*
73	*	.3	.3	.3	.3	.3	.3*	.3	.3	.3	.3*	.3*	*
74	*	.3	.3	.3	.3	.3*	.3	.3	.3	.3	.3*	.3	*
75	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3*	.3	*
76	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3*	.3	*
77	*	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3*	.3*	*
78	*	.3	.3	.3	.3	.3	.3	.3	.3	.3*	.3*	.3	*
79	*	.3	.3	.3*	.3	.3	.3	.3	.3	.3	.3*	.3	*
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	.03	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
S D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	454	423	465	449	492	479	495	465	451	465	446	447	5530

NOTE * (BASED ON LESS THAN FULL MONTHS)

2 DATA PROCESSED BY DATA
 SERVICE CENTER

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

STATION 1210 WS STATION NAME 0-15-5 (OL.I) YEARS 64-77

PRECIP	NONE	TRACE	AMOUNTS (INCHES)											PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
			01	02 05	06 10	11 25	26 50	51 100	101 2 50	2 51 5 00	5 01-10 00	10 01-20 00	OVER 20 00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 0 4	0 5 1 4	1 5 2 4	2 5 3 4	3 5 4 4	4 5 6 4	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4 6	7-12	13-24	25-36	37 48	49 60	61-120	OVER 120					
JAN	100.0														476			
FEB	100.0														423			
MAR	100.0														465			
APR	100.0														440			
MAY	100.0														492			
JUN	100.0														479			
JUL	100.0														495			
AUG	100.0														465			
SEP	100.0														450			
OCT	100.0														465			
NOV	100.0														446			
DEC	100.0														447			
ANNUAL	100.0														5530			

22-6274

FROM DAILY OBSERVATIONS

4-25-61 AF3 23

STATION NAME

24-79

YEARS

DAILY SMO. DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
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96													
97													
98													
99													
100													
MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	454	423	465	449	492	479	495	465	450	465	446	447	553

NOTE * (BASED ON LESS THAN FULL MONTHS)

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PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

* Values for means and standard deviations do not include measurements from incomplete months.

EXTREME VALUES

SURFACE WIND

FROM DAILY OBSERVATIONS

STATION NAME

67-79

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
57							27E	31E	29E	27E	38*	43	
58	20/ 25 7/ 37 7/ 29 5/ 25 5/ 25 6/ 24 4/ 25 5/ 24 4/ 25 3/ 19 7/ 32 7/ 28	31W 43E	26W 33E	25E	27 9/ 28 11/ 30 2/ 24 23/ 22 4/ 25 11/ 30								43
59	25/ 20 8/ 40 8/ 31 3/ 39 3/ 27 5/ 30 9/ 25 3/ 30 3/ 26 36/ 28 22/ 36 5/ 41												25/ 63
60	21/ 65 6/ 37 27/ 37 9/ 25 5/ 25 6/ 24 6/ 27 10/ 26 5/ 21 9/ 24 6/ 30												21/ 68
61	17/ 23 21/ 44 20/ 30 6/ 29 5/ 26 7/ 27 6/ 39 5/ 27 7/ 24 8/ 23 9/ 24 26/ 25												21/ 44
62	37 25 7/ 24 11/ 27 35/ 30 8/ 24 8/ 25 6/ 22 9/ 26 7/ 20 9/ 18 15/ 19 24* 25												35/ 30
63	26* 34 11/ 24 21/ 33 9/ 25 7/ 22 10/ 22 5/ 22 6/ 29 6/ 19 5/ 21 7/ 26 4/ 30												26* 34
64	5/ 27 15/ 22 5/ 26 7/ 25 7/ 25 6/ 25 9/ 27 7/ 30 8/ 28 3/ 24 20/ 30 8/ 24												7/ 30
65	32/ 27 5/ 41 7/ 26 5/ 34 7/ 26 8/ 27 7/ 27 9/ 26 5/ 25 7* 25 5* 31 9* 28												5/ 41
66	15/ 27 11/ 25 8/ 32 7/ 37 8/ 30 7/ 27 15/ 28 10/ 29 9/ 25 4/ 28 9/ 33 18* 32												7/ 37
67	22/ 36 9/ 26 27/ 32 7/ 28 10/ 27 9/ 26 15/ 29 8/ 27 7/ 28 3/ 26 15/ 28 6/ 36												22/ 36
68	19/ 35 16/ 34 11/ 25 11/ 27 7/ 24 5/ 25 6/ 25												
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
MEAN	35.2	33.3	29.4	30.3	25.5	25.8	27.2	26.0	25.2	23.4	28.9	30.5	45.4
S.D.	14.885	8.135	2.778	4.479	1.975	2.137	4.387	2.132	3.129	3.529	5.629	5.66	13.710
TOTAL OBS	338	337	369	357	372	358	396	368	358	363	349	345	4308

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OII)

5 (BASED ON LESS THAN FULL MONTHS, AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

PEELER AFB HI
STATION NAME

73,75
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		11.5										11.5	4.3
NNE			3.8									3.8	7.0
NE		3.8										3.8	4.0
ENE			3.8									3.8	7.0
E		3.8	3.8									7.7	5.5
ESE													
SE													
SSE													
S			3.8									3.8	8.0
SSW													
SW	3.8											3.8	2.0
WSW													
W													
WNW	3.8		3.8									7.7	5.5
NW	3.8	7.7										11.5	4.0
NNW	3.8	3.8										7.7	3.5
VARBL													
CALM												34.6	
	15.4	30.8	19.2									100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 26

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

66-70, 73-79
YEARS

JAN
MONTH
0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.6	1.1	.1								6.5	4.4
NNE	.7	.6	.6	.2								2.1	5.9
NE	.4	.9	.5	.1								1.9	6.3
ENE	.7	.5	.8									2.0	5.3
E	1.1	1.3	1.4	.4								4.1	6.0
ESE	.9	.8	1.1	.2								3.0	5.6
SE	.2	.5	.2									.9	5.4
SSE	.9	.5	.7	.4								2.5	6.0
S	.8	1.8	2.3	.7								5.6	6.8
SSW	.4	.8	.7	.1								2.0	6.6
SW	.2	.2	.1	.2								.8	7.1
WSW	.2	.2	.5	.1								1.1	6.2
W	1.3	.4	.6									2.2	4.3
WNW	2.6	.7	.4	.1								3.7	3.4
NW	4.7	3.3	.6									8.5	3.5
NNW	5.7	2.9	.8									9.5	3.6
VARBL													
CALM												43.5	
	23.6	17.9	12.3	2.7								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 855

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

68-73, 73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	3.6	1.5	.2								7.3	5.4
NNE	.4	1.2	1.3	.3								3.3	7.0
NE	.6	1.9	1.4	.4								4.3	6.6
ENE	.7	1.9	2.8	.6								5.8	6.9
E	1.9	2.4	3.1	2.2								9.6	7.1
ESE	1.3	2.2	1.9									5.4	5.4
SE	1.7	2.4	1.9	.3								5.4	5.2
SSE	1.4	2.6	2.5	.2	.1							7.0	6.2
S	1.8	2.2	4.3	1.9	.4							10.6	8.2
SSW	.2	1.2	.9	.7								3.0	7.4
SW	.1	.6	1.0	.1								1.8	7.6
WSW	.4	1.0	.8		.1							2.3	6.3
W	.7	.7	.9	.1								2.3	5.6
WNW	1.0	.8	.4									2.2	4.4
NW	.4	1.5	1.2	.2								3.4	6.1
NNW	2.1	3.4	1.7	.2								7.4	5.2
VARBL													
CALM												18.9	
	16.6	29.7	26.7	7.5	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JAN
MONTH

1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 -	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.6	1.7	.4								5.5	6.3
NNE	.4	1.8	1.3	.8	.1							4.4	7.5
N ^W E	.3	2.1	2.0	1.1	.1							5.6	8.1
ENE	.3	2.3	4.3	3.0	.2							10.2	9.1
E	.4	1.8	6.8	2.3	.1							11.5	9.0
ESE	.8	1.1	1.9	.4								4.2	7.1
SE	.3	1.8	.6	.1	.1							2.9	6.1
SSE	.3	2.0	3.5	1.1	.3							7.3	8.7
S	.9	3.5	5.7	2.5	.8							13.5	8.7
SSW	.3	1.3	1.5	1.1								4.3	8.3
SW	.2	1.2	1.2	.2	.1	.1						3.1	8.3
WSW	.6	1.8	1.3	.3								4.0	6.4
W	.6	1.8	2.2	.2								4.7	6.8
WNW	.4	.9	1.1									2.4	6.0
NW	.3	1.2	3.3	.6								5.4	7.7
NNW	1.1	2.4	3.1	.7								7.3	7.0
VARBL													
CALM												3.8	
	8.2	29.6	41.6	14.9	1.9	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.1	4.0	.3	.1							8.4	6.9
NNE	.4	.9	2.3	.6	.1							4.3	8.3
NE	.3	1.6	3.0	.7								5.5	7.9
ENE	.3	3.3	6.1	2.5	.1							12.4	8.7
E	.7	1.6	4.9	1.8								8.9	8.4
ESE		.9	.7	.4								2.0	7.8
SE	.3	1.4	.3	.1								2.2	5.5
SSE	.6	1.9	2.7	.9	.2							6.2	8.1
S	.8	3.3	5.8	2.9	.3							13.1	8.6
SSW	.9	1.6	1.3	.6	.2							4.5	7.2
SW	.4	1.3	1.4	.7	.2							4.1	7.8
WSW	.2	1.4	1.7	.4								3.8	7.1
W	.6	1.8	1.7	.1								4.1	6.1
WNW	.6	2.0	1.6	.3								4.4	6.5
NW	1.0	1.4	1.8	.6								4.8	6.6
NNW	.4	1.8	5.4	.3	.1							8.1	7.7
VARBL													
CALM												3.1	
	8.4	29.3	44.6	13.2	1.4							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

902

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	5.9	1.0	.1								9.5	4.7
NNE	1.0	1.4	1.4									3.7	5.3
NE	1.6	1.1	1.5									4.2	5.1
ENE	2.0	3.7	1.6	.1								7.4	5.0
E	1.6	2.2	3.0	.2								7.0	6.1
ESE	.6	1.8	.1									2.6	4.2
SE	.4	1.2	.1									1.7	4.4
SSE	1.2	2.1	2.3	.1								5.8	5.8
S	2.0	3.6	2.5	.4	.4							8.7	6.3
SSW	1.2	.5	.5	.1	.2							2.6	6.2
SW	.2	.7	.2	.4								1.6	7.1
WSW	.6	.1	.1	.1								1.0	4.6
W	.7	.9	.2	.1								2.0	5.1
WNW	1.7	1.5	.4									3.6	4.3
NW	1.8	3.4	1.5									6.8	4.7
NNW	3.2	4.9	2.2	.1								10.5	4.8
VARP													
CALM												21.5	
	22.4	35.1	18.6	1.8	.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

813

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	2.4	.7	.2								6.8	4.1
NNE	.9	.9	.4									2.2	4.8
NE	.9	1.1	1.5									3.5	6.1
ENE	.9	1.1	.7	.2								2.9	5.4
E	1.8	2.4	2.0	.2								6.4	5.4
ESE	1.1	1.3										2.4	3.6
SE	.7	1.3	.2									2.2	4.1
SSE	.9	1.3	.2									2.4	4.3
S	.4	1.8	1.1				.2					3.5	7.5
SSW	.4	.2	.4			.2						1.3	9.0
SW	.2		.2	.2								.7	9.3
WSW	.2	.4				.2						.9	8.5
W	.9	1.3	.9									3.1	4.9
WNW	2.9	1.1										4.0	2.8
NW	4.4	4.0	.7									9.0	3.8
NNW	3.7	4.2	.4									8.4	3.9
VARBL													
CALM												40.4	
	23.7	24.8	9.5	.9		.4	.2					100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 455

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.5	1.7	.2	.0							7.4	5.4
NNE	.6	1.1	1.3	.3	.0							3.5	6.9
NE	.6	1.5	1.7	.4	.0							4.3	7.0
ENE	.8	2.2	2.9	1.2	.1							7.2	7.6
E	1.2	1.9	3.7	1.3	.0							8.1	7.5
ESE	.8	1.4	1.0	.2								3.4	5.9
SE	.6	1.5	.4	.1	.0							2.6	5.3
SSE	.9	1.8	2.2	.5	.1							5.4	7.0
S	1.2	2.8	3.9	1.5	.3		.0					9.7	7.9
SSW	.6	1.0	.9	.5	.1	.0						3.1	7.4
SW	.3	.7	.8	.3	.1	.0						2.2	7.7
WSW	.4	.9	.8	.2	.0	.0						2.3	6.6
W	.8	1.1	1.1	.1								3.1	5.8
WNW	1.4	1.2	.7	.1								3.4	4.8
NW	1.9	2.3	1.6	.2								6.1	5.2
NNW	2.6	3.2	2.4	.2	.0							8.5	5.4
VARBL													
CALM												20.0	
	16.4	28.0	27.2	7.5	.8	.1	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 4863

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI

STATION NAME

73
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L S T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			16.7									16.7	8.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	16.7											16.7	2.0
NNW	16.7											16.7	3.0
VARBL													
CALM												50.0	
	33.3		16.7									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI

STATION NAME

68-70, 73-79

YEARS

FEB

MONTH

ALL WEATHER

CLASS

G690-0800

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	2.9	.5									8.0	3.4
NNE	1.5	.9	.6									3.0	4.1
NE	1.1	1.4	.9	.1								3.5	5.1
ENE	1.0	1.5	.5	.4								3.4	5.7
E	1.8	2.0	2.0	.5								6.3	5.8
ESE	.4	.6	.6									1.6	5.5
SE	.3	.5	.1									1.4	3.5
SSE	.5	1.0	.1	.5	.1							2.3	7.0
S	.8	1.0	.4									2.2	4.4
SSW	.1	.1										.3	4.0
SW			.1									.1	10.0
WSW	.3	.5	.3	.1								1.1	6.1
W	1.8	.1	.3	.3	.3							2.7	5.4
WNW	3.3	1.3	.3	.3								5.1	3.9
NW	5.3	3.4	.4									9.1	3.4
NNW	5.1	3.5	1.0	.1								9.7	3.9
VARBL													
CALM												40.1	
	28.2	20.9	8.1	2.3	.4							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22608
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

7E3
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.4	1.8	.5								8.0	5.3
NNE	.5	3.0	2.0	.2								5.7	6.5
NE	1.2	2.1	2.7	1.1	.1							7.2	7.2
ENE	1.2	2.6	5.8	1.4	.4							11.3	8.0
E	1.4	2.6	6.0	4.1	.1							14.3	8.7
ESE	.9	2.2	1.9	.7								5.8	6.5
SE	1.9	2.6	.9	.6								6.0	5.4
SSE	.5	2.6	.8	.4	.1							6.4	5.2
S	.9	1.8	.8	.1	.1							3.8	5.8
SSW	.4	.6	.8									1.8	6.1
SW	.6	.5	.2									1.3	4.5
WSW	.6	.4	.2	.4								1.5	6.5
W	.4	.5	.4		.2							1.4	7.5
WNW	.7	.9	.7	.1								2.5	5.6
NW	1.2	1.4	.9	.1								3.7	5.4
NNW	1.4	2.0	.7									4.1	4.4
VARBL													
CALM												15.1	
	18.1	29.2	26.8	9.7	1.1							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 846

GLOPAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22506
STATION

WHEELER AFB HI

STATION NAME

68-70, 73-79

YEARS

FEB

MONTH

1200-1400

HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.8	1.3								5.6	8.6
NNE	.2	.7	2.1	1.3								4.4	9.0
NE	.6	1.4	3.9	2.8								8.7	9.1
ENE	.2	2.4	8.3	5.3	.1							16.3	9.9
E	.8	2.1	7.9	7.0	.7							18.6	10.0
ESE	.4	1.2	2.0	1.1								4.6	8.2
SE	.6	1.1	2.2	.8								4.7	7.8
SSE	.4	2.1	3.8	.9	.5							7.7	8.3
S	.6	2.0	2.1	.4								5.1	6.8
SSW	.2	1.1	1.2									2.5	5.9
SW	.7	.6	.7	.2								2.2	6.1
WSW	.1	.5	.5	.4								1.4	7.6
W	.4	1.1	1.5	.5								3.4	7.4
WNW	.5	.7	.9	.5	.1							2.7	8.0
NW	.6	1.1	1.2	.4								3.2	6.6
NNW	.2	1.8	3.5	.2								5.8	7.3
VARBL													
CALM												3.1	
	6.9	20.8	44.2	23.0	1.4							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22500
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

FEB
MONTH
1500-1700
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.6	4.6	.8								9.3	7.2
NNE	1.1	2.1	2.1	1.4								6.7	7.4
NE	.5	1.9	4.4	2.8								9.6	9.0
ENE	.5	2.2	7.8	4.9	.7	.2						15.3	9.9
E	.5	4.6	7.1	4.5	.1							16.8	8.8
ESE	.1	.6	1.7	.6								3.0	8.3
SE	.4	1.1	.7	1.2								3.3	8.6
SSE	.1	1.7	1.4	1.1	.1							4.4	8.8
S	.5	2.1	2.6	.5	.1							5.8	7.1
SSW	.4	.6	.7									1.7	5.7
SW	.2	.8	.5	.6								2.1	7.6
WSW	.1	.6	.7									1.4	6.3
W	.8	1.2	1.5	.4								3.9	6.5
WNW	.5	.8	.9	.2								2.5	6.4
NW	.2	1.4	1.7	.2								3.6	6.8
NNW	.7	3.2	3.0	.6								7.5	6.6
VARBL													
CALM												2.1	
	7.8	27.6	41.4	19.8	1.1	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

68-73, 73-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	4.3	2.1	.4								11.2	4.7
NNE	1.8	3.2	1.7	.4								7.1	5.6
NE	1.8	2.6	2.6	.9								7.9	6.3
ENE	1.7	3.9	3.6	1.5		.1						10.8	7.2
E	2.6	4.0	3.6	1.0	.1							11.3	6.3
ESE	1.7	.9	.3									2.6	3.4
SE	.9	1.2	.4	.1								2.6	4.8
SSE	1.3	1.0	1.2	.3								3.7	5.6
S	1.0	1.8	.3		.1							3.2	4.8
SSW	.9	.1	.1									1.2	3.0
SW	.3	.9	.3	.4								1.8	6.7
WSW	.3	.8	.1									1.2	4.8
W	1.3	.1	.6	.1								2.2	4.6
WNW	.3	.6										.9	4.0
NW	2.3	1.5	.8	.1								4.8	4.3
NNW	3.1	5.3	1.9									10.3	4.7
VARBL													
CALM												17.0	
	25.6	32.2	19.5	5.3	.3	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 776

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	3.6	1.1									9.3	4.0
NNE	2.5	1.4	.9									4.8	3.9
NE	.9	1.1	2.0									4.1	6.4
ENE	.5	1.4	1.1	.5	.2							3.6	7.1
E	1.8	1.8	1.6	.9								6.1	6.1
ESE	.5	.9	.2									1.6	4.7
SE	.9	.5	.2									1.6	3.6
SSE	.9	.5		.5								1.8	6.0
S	1.4	.9	.2									2.5	3.5
SSW		.5										.5	5.0
SW	.7		.5	.2								1.4	6.0
WSW	.7	.7	.2									1.6	3.7
W	.9	.5	.2	.2								1.8	4.9
WNW	3.4	.9	.2									4.5	3.2
NW	5.4	2.7	.2									8.4	3.2
NNW	4.3	5.9	.9									11.1	4.0
VARBL													
CALM												35.4	
	29.3	23.1	9.8	2.3	.2							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 441

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.9	2.3	.5								8.5	5.5
NNE	1.1	1.9	1.7	.6								5.3	6.4
NE	1.7	1.8	2.8	1.4	.0							7.1	7.7
ENE	.9	2.4	4.7	2.5	.2	.1						11.0	8.7
E	1.4	2.9	5.0	3.3	.2							12.9	8.4
ESE	.7	1.1	1.2	.4								3.4	6.6
SE	.9	1.2	.8	.5								3.5	6.3
SSE	.9	1.6	1.3	.6	.2							4.6	7.0
S	.8	1.7	1.2	.2	.1							.9	6.0
SSW	.4	.5	.5									1.4	5.4
SW	.4	.5	.4	.2								1.5	6.4
WSW	.3	.5	.4	.2								1.4	6.0
W	.9	.6	.8	.2	.1							2.6	6.3
WNW	1.3	.9	.5	.2	.0							2.9	5.2
NW	2.2	1.8	.9	.2								5.2	4.6
NNW	2.3	3.4	1.9	.2								7.8	5.1
VARBL													
CALM												17.1	
	18.2	25.8	26.7	11.3	.8	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

4550

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508 WHEELER AFB HI 73 4AR
STATION STATION NAME YEARS MONTH
ALL WEATHER 0000-0200
CLASS NOTES (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E				100.0								100.0	11.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
				100.0								100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68,73,76
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 5	%	MEAN WIND SPEED
N													
NNE		33.3										33.3	5.0
NE													
ENE			33.3									33.3	9.0
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW		33.3										33.3	4.0
NW													
NNW													
VARBL													
CALM													
		66.7	33.3									100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 3

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	3.0	1.0									7.7	3.9
NNE	1.9	1.1	.7									3.8	4.1
NE	.8	1.7	.8	.5								3.8	6.0
ENE	1.3	1.8	2.2	.6								5.8	6.6
E	1.1	2.7	2.6	1.1	.1							7.7	7.3
ESE	.9	1.1	1.0	.1								3.5	5.4
SE	.3	.3	.1									.8	3.7
SSE	.5	1.1	.3	.1								2.0	5.6
S	1.0	.7	.8	.2								2.7	5.7
SSW	.5	.5	.1	.2								1.3	5.7
SW	.1	.2										.3	3.3
WSW	.3											.3	2.3
W	2.3	.9	.1									3.3	3.1
WNW	4.2	1.1										5.3	2.7
NW	5.9	3.5	.3									9.8	3.2
NNW	3.1	2.2	.3									5.6	3.5
VARBL													
CALM												36.2	
	28.0	22.4	10.5	2.8	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 879

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB PI
STATION NAME

68-70,73-79
YEARS

4AR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.5	1.9	.1								6.8	5.3
NNE	1.0	2.5	1.1	.2								4.7	5.4
NE	.9	2.4	3.4	2.0								8.7	8.0
ENE	1.3	4.6	7.8	3.4	.6							17.8	8.5
E	1.4	4.0	8.7	6.1	.9							21.1	9.2
ESE	.6	1.8	2.5	1.5								6.5	8.0
SE	.4	1.7	1.1	.2								3.4	6.1
SSE	1.0	1.5	2.0	.2								4.7	6.3
S	1.0	1.1	1.6	1.0								4.6	7.3
SSW	.5		.4									1.0	5.2
SW	.2	.2	.3									.8	5.3
WSW	.4	.2	.4									1.1	5.1
W	.6	.4	.2									1.3	4.3
WNW	1.0	.3	.2									1.5	3.9
NW	1.2	.8	.4	.4								2.8	5.3
NNW	.8	1.0	1.6	.1								3.4	6.0
VARBL													
CALM												9.8	
	14.5	24.9	33.9	15.4	1.5							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22506
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	2.5	.1								4.1	7.1
NNE	.4	1.7	2.2	.3								4.6	7.5
NE	.5	1.7	5.4	4.7	.2							12.6	9.8
ENE	.3	2.0	8.8	7.5	1.2	.1						20.0	10.7
E	.6	1.2	10.2	11.5	.6							24.2	10.7
ESE		1.0	2.7	2.2								5.8	9.7
SE	.2	1.0	2.0	.9	.1							4.2	8.3
SSE	.1	.4	1.9	1.4								3.9	9.3
S	.1	.9	1.7	1.5								4.2	9.1
SSW		.1	.8	.3								1.2	9.2
SW			.5	.2								.8	9.6
WSW	.2	.4	.1	.3								1.1	6.9
W	.1	.8	.1									1.0	4.6
WNW	.2	.9	.4	.1								1.6	5.9
NW	.3	.6	1.3	.4								2.7	7.4
NNW	.8	1.5	2.7	.5								5.5	7.2
VARBL													
CALM												2.6	
	4.2	15.5	43.4	32.1	2.2	.1						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI

STATION NAME

68-70, 73-79

YEARS

MAR
MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	1.5	.3								4.2	6.4
NNE	.3	1.1	2.7	.4	.2							4.7	8.0
NE	.3	2.2	6.1	4.8	.2							13.7	9.7
ENE	.6	3.3	11.3	7.8	.6							23.7	9.8
E	1.0	2.3	10.7	8.7	.6							23.3	10.1
ESE	.1	.6	1.8	1.1		.1						3.8	9.3
SE	.2	1.1	.9	.8								2.9	7.7
SSE	.1	.6	1.5	.4	.1							2.8	8.7
S	.1	.9	2.5	.4								3.9	8.3
SSW	.2		.2	.2								.6	7.7
SW	.4	.2	.4	.1								1.2	6.2
WSW		.6	.4	.2								1.3	7.8
W	.2	.2	.5		.1							1.1	7.8
WNW	.5	.9	.8	.1								2.3	5.9
NW	.3	1.8	1.2	.4								3.8	7.0
NNW	.3	1.7	2.5	.6								5.2	7.5
VARBL													
CALM												1.7	
	5.6	19.2	45.0	26.5	1.9	.1						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.0	.9	.1								6.6	4.6
NNE	2.0	4.0	1.7	.7								8.4	5.6
NE	2.8	4.3	4.3	.6	.1							12.2	6.1
ENE	2.3	4.8	4.3	2.2	.5							14.0	7.2
E	2.6	5.9	6.1	2.3								16.9	6.8
ESE	1.1	1.7	1.4	.2								4.4	5.8
SE	.5	1.2	.2									1.9	4.4
SSE	.5	.9	.5	.2								2.0	5.9
S	.8	.7	1.1									2.6	5.5
SSW	.2	.1										.3	3.7
SW	.2	.2	.2	.1		.1						.9	8.3
WSW	.5	.2	.2									.9	4.3
W	.6	.3		.3								1.2	5.8
WNW	1.0	.1	.1									1.2	3.5
NW	1.8	1.0	.8									3.6	4.1
NNW	2.4	4.1	1.5									8.0	4.7
VARBL													
CALM												14.7	
	21.9	32.6	23.4	6.7	.6	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L S T.)

CONDITION

SPEED (KN.S) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	4.3	.6									8.8	3.8
NNE	2.9	2.5	.2									5.7	3.8
NE	2.3	2.9	1.0	.4								6.7	5.2
ENE	1.9	4.0	1.9	.4								5.2	5.5
E	2.3	2.5	2.9	1.0								8.8	6.5
ESE	1.0	1.3	.8	.2								3.4	5.8
SE	.2	.8	.4									1.5	5.3
SSE	.6	.2	.4									1.3	4.2
S	.8	.4	.4									1.7	5.0
SSW	.8	.4										1.3	2.8
SW		.2	.2									.4	7.0
WSW	.4	.2		.2								.8	5.3
W	3.4	.2										3.6	2.4
WNW	2.7	.8	.4									4.0	3.4
NW	2.7	.8	.6									4.2	3.7
NNW	4.8	3.8										8.6	3.1
VARBL													
CALM												31.2	
	31.2	25.2	10.1	2.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

477

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

WAD
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S Y)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.1	2.4	1.5	.1								6.1	5.0
NNE	1.3	2.1	1.5	.3	.0							5.3	5.9
NE	1.2	2.5	3.8	2.4	.1							9.9	8.2
ENE	1.2	3.4	6.5	4.0	.5	.0						15.6	8.9
E	1.4	3.1	7.3	5.6	.4							17.8	9.1
ESE	.6	1.3	1.5	1.0		.0						4.7	7.7
SE	.3	1.1	.8	.3	.0							2.6	6.7
SSE	.4	.9	1.2	.4	.0							2.9	7.2
S	.6	.8	1.5	.6								3.4	7.3
SSW	.3	.2	.3	.1								.9	6.2
SW	.2	.2	.3	.1		.0						.8	6.9
WSW	.3	.3	.2	.1								.9	5.9
W	1.0	.5	.2	.1	.0							1.8	4.1
WNW	1.5	.7	.3	.0								2.5	3.9
NW	1.9	1.5	.8	.2								4.5	4.7
NNW	1.8	2.2	1.6	.2								5.8	5.3
VARBL													
CALM												14.5	
	16.2	23.1	29.5	15.6	1.2	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 5028

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22503
STATION

WHEELER AFB HI
STATION NAME

78
YEARS

APP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	16.7	16.7										33.3	3.0
NNE	16.7											16.7	3.0
NE		16.7										16.7	5.0
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW	16.7	16.7										33.3	3.5
VARBL													
CALM													
	50.0	50.0										100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

75,76
YEARS

APP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	11.1	11.1										22.2	4.5
E		11.1										11.1	5.0
ESE		11.1										11.1	4.0
SE													
SSE													
S													
SSW													
SW													
WSW													
W	11.1											11.1	1.0
WNW													
NW		11.1										11.1	4.0
NNW	11.1											11.1	3.0
VARBL													
CAUM												22.2	
	33.3	44.4										100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

APR
MONTH
0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.9	.6									5.6	3.4
NNE	1.1	1.8	.7	.1								3.7	5.1
NE	2.8	1.2	1.3	.1								5.4	4.8
ENE	1.6	2.6	1.3	.6								6.1	5.5
E	1.8	3.0	2.3	.2	.4							7.7	6.0
ESE	1.3	1.2	.5									3.0	4.2
SE	1.2	.5										1.7	2.8
SSE	.7	1.0	.1									1.8	3.8
S	.4	.2	.2									.8	5.0
SSW	.5	.1		.1								.7	4.0
SW	.4											.4	2.0
WSW	.8											.8	1.9
W	1.8											1.8	2.2
WNW	3.6	1.6										5.1	3.0
NW	3.8	2.3	.5	.1								6.7	3.6
NNW	6.3	1.7	.5	.1								8.6	3.1
VARBL													
CALM												40.0	
	31.1	19.0	8.0	1.4	.4							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI

STATION NAME

68-70, 73-79

YEARS

APR

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	1.6	.8								5.9	6.5
NNE	1.9	2.3	2.8	.7	.1							7.5	6.6
NE	1.6	3.5	6.9	2.6	.2							14.8	8.2
ENE	1.2	4.4	7.9	3.6								17.1	8.1
E	1.5	5.5	10.1	6.4	.4							23.8	8.7
ESE	.6	2.8	2.3	.8	.1							6.6	7.3
SE	.7	1.8	.9	.4								3.8	6.3
SSE	.4	.7	.7	.3								2.1	6.9
S	.7	2.0	.7	.1								3.5	5.3
SSW	.1	.3	.3									.8	6.0
SW		.1	.3	.1								.6	8.4
WSW	.1	.1	.1									.3	5.3
W	.2											.2	2.5
WNW	.3	.2	.1									.7	4.2
NW	.2	.3	.3									.9	5.6
NNW	.7	1.2	1.6	.2								3.7	6.3
VARBL													
CALM												7.7	
	11.3	27.4	36.7	16.0	.9							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22505 STATION WHEELER AFB HI 68-70, 73-79 YEARS APP MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	2.7	.8	.1							4.9	2.8
NNE	.2	1.3	3.5	1.2	.3							5.5	2.8
NE	.3	1.9	6.4	5.9	.4	.2						15.2	10.2
ENE	.2	2.5	11.0	8.4	1.0							23.1	10.5
E	.4	1.8	12.1	9.2	.3	.1						24.4	10.4
ESE	.2	1.2	1.7	2.7	.4							6.3	10.0
SE	.1	.2	1.1	.3	.1							1.9	9.1
SSE	.1	1.1	1.1	.3								2.7	7.7
S	.4	1.0	1.1	.7								3.2	7.4
SSW	.1	.4	.7	.1								1.3	7.3
SW	.1	.4	.1									.7	5.2
WSW	.2	.3	.3									.9	5.9
W	.1	1.0	.2									1.3	5.2
WNW	.1	.1	.3	.1								.7	7.3
NW		.6	1.2	.9								2.7	9.0
NNW		.7	1.3	.3								2.4	8.0
VARBL													
CALM												1.7	
	3.0	15.8	44.9	31.0	3.2	.3						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI

STATION NAME

68-72, 73-79

YEARS

APR

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.2	2.9	.8								6.4	7.3
NNE	1.0	1.9	2.3	1.9								7.2	8.9
NE	.3	3.5	8.4	5.7	.4							18.3	9.6
ENE	.7	3.7	13.4	8.4	.8							27.6	9.7
E	.6	2.6	9.4	6.8	.1							19.5	9.6
ESE	.4	.7	1.2	1.1	.1							3.6	9.0
SE	.2	.7	.8	.4								2.1	7.7
SSE	.3	.6	.4	.1								1.5	5.8
S	.6	.7	.7	.8								2.7	7.5
SSW	.1	.4	.2									.8	5.9
SW		.4	.2									.7	6.5
WSW		.2	.1									.3	5.7
W	.1	.6	.1									.5	5.0
WNW	.1	.4	.4									1.0	6.3
NW	.2	.7	1.0	.1								2.6	7.1
NNW	.3	1.1	2.0	.4								3.9	7.6
VARBL													
CALM												2.3	
	5.5	20.4	43.7	26.6	1.5							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.8	1.6	.1								8.9	4.9
NNE	2.8	3.5	1.7	.6								8.6	5.2
NE	2.3	4.9	4.7	1.2								13.1	6.4
ENE	2.2	5.8	7.5	2.3								17.7	7.0
E	2.5	5.4	5.4	2.2								15.5	6.9
ESE	1.1	2.2	.7	.1								4.1	5.2
SE	.5	1.0	.4	.1								1.9	5.4
SSE	.4	1.1	.7	.2								2.4	6.0
S	.7	.7	.1									1.6	3.8
SSW	.5											.5	3.0
SW	.2	.1	.1									.5	4.5
WSW		.1										.1	4.0
W	.2	.4										.6	4.4
WNW	.4	.1	.1									.6	4.2
NW	.7	.4	.7									1.8	5.5
NNW	2.3	2.5	1.4	.1								6.4	4.8
VARBL													
CALM												15.7	
	19.2	33.0	25.2	7.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22506
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.9	2.0	1.3									9.2	3.6
NNE	2.0	1.3	.9									4.2	4.4
NE	1.8	4.4	2.6	.7								9.4	5.7
ENE	2.0	3.5	1.5									7.0	4.8
E	2.2	2.4	3.9	1.1								9.6	6.5
ESE	.7	1.5										2.2	4.0
SE	.4	.2	.4									1.1	5.0
SSE	.2	.4										.7	4.0
S	.4	.4										.9	2.8
SSW	.2	.2										.4	3.5
SW													
WSW	.4	.2										.7	3.0
W	1.5	.7										2.2	2.8
WNW	3.1	.7										3.7	2.9
NW	2.4	.9	.2									3.5	3.1
NNW	3.7	1.5	.4	.4								6.1	4.0
VARBL													
CALM												39.0	
	27.0	20.4	11.4	2.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

456

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.4	1.8	.5	.3							6.6	5.7
NNE	1.5	2.0	2.1	.8	.1							6.5	6.7
NE	1.5	3.1	3.3	2.9	.2	.0						13.1	8.2
ENE	1.2	3.8	7.7	4.3	.3							17.3	8.7
E	1.4	3.5	7.6	4.7	.3	.0						17.5	8.7
ESE	.7	1.6	1.2	.9	.1							4.5	7.4
SE	.5	.8	.6	.2	.0							2.2	6.3
SSE	.4	.8	.6	.2								2.0	6.2
S	.5	.9	.5	.3								2.2	6.0
SSW	.2	.3	.2	.0								.8	5.6
SW	.1	.2	.1	.0								.5	5.7
WSW	.2	.2	.1									.5	4.2
W	.6	.4	.1									1.1	3.6
WNW	1.1	.5	.2	.0								1.8	3.8
NW	1.1	.9	.7	.2								2.9	5.2
NNW	2.1	1.5	1.3	.3								5.1	5.1
VARBL													
CALM												15.5	
	15.1	22.9	30.1	15.3	1.1	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 4817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

73, 76
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		25.0										25.0	4.0
NNE													
NE			25.0									25.0	10.0
ENE													
E			0.0									50.0	7.5
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARCL													
CALM													
		25.0	75.0									100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAY
MONTH
0600-0800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.3										4.0	2.9
NNE	2.1	1.3	.6									4.0	3.8
NE	1.5	2.5	1.2	.4								5.5	5.3
ENE	1.8	1.5	1.1	.5								4.8	5.4
E	1.8	2.8	1.2	.2								6.0	5.2
ESE	.8	.9	.1									1.9	3.9
SE	.6	.5	.1									1.2	3.5
SSE	.1	.2	.7	.1								1.2	7.1
S	.2	.7	.2									1.2	4.8
SSW	.7											.7	2.0
SW	.4											.4	2.7
WSW	.7											.7	1.8
W	1.2	.5										1.6	2.9
WNW	3.2	.6	.1									3.9	2.8
NW	4.3	2.6	.2									7.1	3.2
NNW	3.0	1.1	.6									4.7	3.4
VARBL													
CALM												51.3	
	25.0	16.4	6.1	1.2								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 855

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI

STATION NAME

68-70, 73-79

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.6									1.9	5.6
NNE	.8	1.7	2.6	.5								5.6	6.7
NE	1.5	4.5	6.6	2.2	.1							14.9	7.6
ENE	.6	5.2	9.2	3.6	.3							19.9	8.2
E	2.2	6.0	11.8	3.8								23.8	7.7
ESE	.9	2.2	3.3	.9								7.2	7.2
SE	1.2	2.5	2.3	.3								6.3	6.2
SSE	1.2	1.7	1.1	.2								4.2	5.3
S	1.1	1.8	1.0	.4								4.3	5.6
SSW	.1	.3	.2									.6	5.5
SW	.2		.1	.1								.4	6.0
WSW	.2											.2	2.0
W	.1	.1										.2	4.0
WNW		.1	.3									.4	6.8
NW	.4	.2	.2	.1								.0	5.0
NNW	.3	.8	.2									1.3	5.0
VARBL													
CALM												7.7	
	11.2	29.0	39.5	12.1	.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

63-70, 73-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	.5	.1								1.5	6.7
NNE	.4	.8	2.5	1.4	.1							5.2	3.9
NE	.2	1.6	7.3	5.6	.6							15.6	10.0
ENE	.4	3.8	12.4	8.9	.8							26.3	10.0
E	.3	3.1	11.0	6.0	.5							21.0	9.4
ESE	.3	1.4	3.6	1.0								6.2	8.2
SE	.1	1.8	2.4	.9	.1							5.3	8.0
SSE	.4	1.0	3.2	.4								5.1	7.5
S	.8	1.3	1.7	.5								4.3	6.6
SSW	.3	1.0	.3									1.6	5.0
SW	.2	.6	.1									1.0	4.3
WSW		.1	.1									.2	5.5
W	.3		.3									.6	5.8
WNW	.1	.1	.5									.8	7.0
NW		.3	.2									.5	6.0
NNW	.6	.9	1.1	.1								2.7	5.8
VARBL													
CALM												2.0	
	4.7	18.7	47.3	25.0	2.2							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	1.4									2.9	6.9
NNE	.4	1.2	2.4	1.3	.2							5.5	8.6
NE	.4	2.3	6.1	4.4	.3							13.5	9.6
ENE	.5	6.3	13.8	7.8	.6							29.1	9.2
E	.4	6.1	11.2	5.2	.2							23.1	8.5
ESE	.6	2.0	2.7	.8								6.1	7.2
SE		1.0	1.7	.5								3.2	7.9
SSE	.4	1.7	1.1	.2								3.4	6.2
S	1.0	1.7	1.0	.1								3.8	5.3
SSW	.5	.9		.2								1.6	5.3
SW	.2	.2										.4	3.5
WSW	.2	.2										.4	4.3
W	.1		.1									.2	4.5
WNW	.1	.3	.2									.6	5.5
NW	.3	.5	.4	.1								1.4	6.2
NNW	.2	.9	.4									1.5	5.5
VARBL													
CALM												3.0	
	5.7	26.8	42.5	20.6	1.4							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.5	.7									4.3	4.3
NNE	1.2	3.8	2.0	.5								7.5	6.1
NE	2.1	5.8	4.7	1.3								14.0	6.5
ENE	3.0	9.1	7.7	1.3	.1							21.2	6.5
E	3.3	7.0	5.3	.6								16.2	5.7
ESE	1.0	1.8	1.5	.2								5.3	5.4
SE	1.7	1.2	.8	.1								3.8	4.5
SSE	1.7	1.7	.7	.1								4.1	4.7
S	.9	.9	.2									2.1	3.8
SSW	.5	.4										.8	3.0
SW	.1	.1										.2	4.0
WSW	.1	.1										.2	3.0
W	.2											.2	2.0
WNW	.2		.2									.5	5.5
NW	.5	.7	.1									1.3	4.4
NNW	.9	1.2	.5									2.6	4.5
VARBL													
CALM												15.6	
	20.2	35.3	24.6	4.1	.1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI

STATION NAME

68-70, 73-79

YEARS

MAY

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.8										5.3	3.5
NNE	3.0	2.1	.6									5.8	4.0
NE	2.6	2.1	1.1	.2								6.0	4.6
ENE	2.4	3.8	1.7	.2								8.1	5.1
E	1.9	2.1	2.1	.6								6.8	6.2
ESE	.4	1.9	.2	.2								2.8	5.5
SE	.2	.4	.2									.9	5.0
SSE	1.1	.9	.4									2.4	4.2
S		.4	.2									.6	5.0
SSW	.2											.2	2.0
SW	.9											.9	2.5
WSW	.6											.6	2.7
W	1.5	.4										1.9	3.1
WNW	.6	.4										1.1	3.0
NW	1.7	1.9	.2									3.8	4.0
NNW	2.6	1.9										4.5	3.2
VARBL													
CALM												48.3	
	22.2	21.4	6.8	1.3								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

468

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22578 STATION NAME WHEELER AFB HI YEARS 68-70, 73-79 MONTH MAY
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.6	.0								3.1	4.7
NNE	1.2	1.8	1.9	.7	.1							5.5	6.1
NE	1.3	3.2	4.9	2.6	.2							12.2	8.1
ENE	1.3	5.2	8.3	4.1	.3							19.3	8.4
E	1.6	4.7	7.7	3.0	.1							17.2	7.8
ESE	.8	1.7	2.1	.5								5.2	6.8
SE	.6	1.3	1.4	.3	.0							3.7	6.5
SSE	.8	1.2	1.3	.2								3.5	6.0
S	.7	1.2	.8	.2								2.9	5.5
SSW	.4	.5	.1	.0								1.0	4.4
SW	.3	.2	.0	.0								.5	4.0
WSW	.3	.1	.0									.4	3.0
W	.5	.1	.1									.7	3.6
WNW	.7	.2	.3									1.2	4.1
NW	1.1	.9	.2	.0								2.4	4.0
NNW	1.2	1.0	.5	.0								2.7	4.3
VARBL													
CALM												18.5	
	13.9	24.8	30.2	11.8	.8							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 4956

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

69, 73-74
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	14.3											14.3	2.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	14.3											14.3	3.0
NNW													
VARBL													
CALM												71.4	
	28.6											100.0	.7

TOTAL NUMBER OF OBSERVATIONS

7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

62-70, 73-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

3600-3800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.0										3.2	2.9
NNE	2.2	1.2										3.3	3.3
NE	1.9	2.2	.7	.1								4.9	4.4
ENE	2.9	2.4	1.6	.4								7.2	4.8
E	2.6	3.6	1.3	.2								7.8	4.6
ESE	1.3	1.4	.8									3.6	4.7
SE	1.0	.7	.6	.1								2.4	4.9
SSE	.6	.5	.2									1.3	3.7
S	1.2	.1										1.3	2.1
SSW	.1											.1	2.0
SW	.1											.1	2.0
WSW	.5	.1										.5	2.4
W	2.3	.4										2.6	2.3
WNW	2.8	.4										3.1	2.7
NW	4.8	.7										5.5	2.5
NNW	2.9	2.0	.1									5.0	3.4
VARBL													
CALM												47.8	
	29.3	16.6	5.4	.8								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22506 WHEELER AFB HI 66-73, 73-79 JUN
STATION MONTH
ALL WEATHER
C. 158
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	.3									1.3	5.2
NNE	1.0	2.8	1.7	.2								5.7	5.6
NE	1.1	4.3	7.0	1.7								14.6	7.4
ENE	2.0	7.9	13.2	2.7								25.8	7.6
E	3.1	8.3	12.3	3.5								27.1	7.3
ESE	.7	2.9	4.4	1.1								9.0	7.7
SE	.7	1.3	1.6	.8								4.4	7.2
SSE	.3	.9	.9	.4								2.6	7.3
S	.2	1.0	.2	.2								1.7	6.1
SSW	.4	.2	.1									.8	4.4
SW													
WSW	.1	.1	.2									.4	5.8
W	.2											.2	2.0
WNW	.1											.1	3.0
NW		.1	.1									.2	6.0
NNW	.6	.3										.9	2.8
VARB													
CALM												5.1	
	10.9	31.4	42.0	10.6								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SE VICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

63-70, 73-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.3									.8	5.3
NNE	.3	.7	1.8	.7								3.5	7.8
NE	.4	2.5	7.7	3.8	.2							14.6	9.1
ENE	.8	2.9	14.7	9.5	.9							28.8	9.8
E	.3	2.5	17.2	10.0	.3							31.3	9.9
ESE		1.4	3.0	2.8	.1							7.4	9.2
SE	.2	.7	2.6	1.3								4.8	8.9
SSE	.1	.8	1.4	.8	.2							3.3	9.6
S	.3	.2	.6									1.1	5.9
SSW	.2	.3	.2	.2								1.0	6.8
SW			.2									.2	7.5
WSW	.4	.3	.1									.9	3.9
W	.1	.2		.1								.4	5.8
WNW		.1	.3									.4	8.0
NW		.2	.1									.3	6.0
NNW	.2	.4										.7	4.0
VARBL													
CALM												.4	
	9	13.5	51.3	29.2	1.8							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22578 WHEELER AFB HT

68-70, 73-79

JUN
MONTH

STATION

STATION NAME

YEARS

ALL WEATHER

CLASS

1500-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	.2	.3								2.0	5.9
NNE	.3	.9	1.3	1.0								3.6	8.7
NE	.2	1.3	7.1	4.6								13.3	9.8
ENE	.4	2.9	16.1	10.6	.2							30.2	9.8
E	.8	4.6	16.2	8.0	.3							29.9	9.2
ESE	.6	.9	3.2	3.1	.1							7.9	9.4
SE	.4	.7	1.9	1.5								4.5	8.7
SSE	.1	.9	1.2	.2								2.5	7.2
S	.3	.8	.4									1.6	5.1
SSW	.1		.2									.3	7.0
SW		.1	.1									.2	7.0
WSW	.1	.2	.1									.4	4.3
W		.2	.2									.4	6.0
WNW		.2	.1									.3	6.3
NW	.1	.6	.3									1.0	6.0
NNW	.1	.2	.2									.6	5.2
VARBL													
CALM												1.2	
	4.1	15.5	49.1	29.4	.7							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUN
MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.5	.1								2.3	5.3
NNE	1.8	2.9	2.6	.5								7.8	5.7
NE	1.1	5.2	4.5	1.5								12.3	7.0
ENE	4.5	9.1	9.8	2.4								25.9	6.6
E	3.4	9.7	7.4	1.1	.1							21.7	6.2
ESE	1.8	3.2	2.9	.7	.1							8.7	6.4
SE	1.3	.7	1.7	.6								4.4	6.5
SSE	.2	1.1	.6	.2								2.2	6.4
S	.5	.7	.2									1.5	4.3
SSW	.1											.1	2.0
SW	.1											.1	2.0
WSW	.2											.2	2.5
W	.1											.1	2.0
WNW		.4	.1									.5	5.0
NW	.1	.4										.5	3.8
NNW	.6	.1	.4									1.1	4.6
VARBL													
CALM												10.6	
	16.6	34.6	30.7	7.2	.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUN
MONTH

2100-2300
HOURS (L.T.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.5	.7									5.8	3.9
NNE	2.5	3.6	1.1									7.2	4.2
NE	1.1	1.8	1.3	.2								4.5	5.4
ENE	3.1	4.5	1.8	.7								10.1	5.1
E	4.9	3.6	3.1									11.7	4.9
ESE	2.5	2.0	1.3	.2								6.1	4.6
SE	1.1	2.0	.9									4.0	5.1
SSE	1.1	.2	.4	.4								2.2	5.9
S	.2											.2	3.0
SSW	.2											.2	3.0
SW	.7											.7	2.0
WSW		.2										.2	4.0
W	.9	.4										1.3	3.0
WNW	.7											.7	2.3
NW	1.8	.2										2.0	2.2
NNW	1.6	1.1	.2									2.9	3.3
VARBL													
CALM												40.1	
	25.1	22.2	11.0	1.6								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 446

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.9	.3	.1								2.3	4.4
NNE	1.2	1.9	1.4	.4								5.0	5.9
NE	1.0	3.0	5.1	2.2	.9							11.3	8.0
ENE	2.2	5.0	10.3	4.9	.2							22.5	8.2
E	2.3	5.5	10.5	4.2	.1							22.7	8.0
ESE	1.0	2.0	2.7	1.5	.1							7.2	7.7
SE	.7	.9	1.6	.8								4.1	7.3
SSE	.4	.8	.9	.4	.0							2.4	7.3
S	.5	.5	.3	.0								1.3	4.7
SSW	.2	.1	.1	.0								.5	5.5
SW	.1	.0	.1									.2	4.3
WSW	.2	.2	.1									.5	3.8
W	.6	.2	.0	.0								.8	3.1
WNW	.6	.2	.1									.9	3.7
NW	1.1	.4	.1									1.5	3.2
NNW	.9	.7	.1									1.7	3.6
VARBL													
CALM												15.2	
	13.9	22.2	33.8	14.4	.5							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 4801

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

75,78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE			14.3									14.3	7.0
E	14.3	14.3	28.6									57.1	6.0
ESE			14.3									14.3	10.0
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												14.3	
	14.3	14.3	57.1									100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

74, 76-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		14.3										14.3	6.0
NNE													
NE		28.6										28.6	4.5
ENE													
E			14.3									14.3	8.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	28.6											28.6	2.5
NNW													
VARBL													
CALM												14.3	
	28.6	42.9	14.3									100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22503
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	1.1										5.5	2.6
NNE	2.5	1.5	.1									4.1	3.3
NE	3.2	2.7	.6									6.4	3.7
ENE	2.0	3.9	1.1	.5								7.4	5.1
E	2.0	3.9	2.1	.1								8.1	5.3
ESE	.9	.9	.2									2.1	4.2
SE	1.1	.5	.1	.1								1.8	3.8
SSE	.2											.2	2.5
S	.4	.2										.6	2.8
SSW	.4	.1										.5	2.5
SW	.1											.1	2.0
WSW	.6											.6	2.0
W	1.6	.2										1.9	2.6
WNW	3.0	1.1										4.1	3.0
NW	4.3	1.9										6.2	2.9
NNW	3.6	.7										4.3	2.6
VARPL													
CALM												46.1	
	30.3	18.6	4.2	.7								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

854

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.1									1.2	3.7
NNE	.9	.8	2.2	.3								4.1	7.0
NE	1.2	4.2	6.8	1.3								13.5	7.3
ENE	1.8	8.2	14.7	5.0	.2							29.9	7.9
E	2.0	8.1	15.0	4.1	.5							29.8	7.9
ESE	.9	1.8	3.7	.9								7.2	7.4
SE	.4	1.2	1.1	.5								3.2	7.2
SSE	.3	1.3	.9	.2								2.7	6.4
S	.3	.5										.9	3.9
SSW													
SW													
WSW													
W		.1										.1	5.0
WNW	.1											.1	2.0
NW	.3	.2										.5	3.2
NNW	.5		.3									.9	5.0
VARBL													
CALM												5.9	
	9.4	27.0	44.7	12.3	.8							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22506
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3										.3	5.3
NNE	.2	.9	2.3	.5								3.9	8.0
NE	.5	1.8	7.5	4.2	.3	.1						14.5	9.6
ENE	.5	2.7	17.8	11.9	1.3							34.2	10.2
E	.2	3.1	16.7	10.2	.4							30.7	9.8
ESE		.8	2.8	1.9	.2							5.7	10.0
SE	.1	.8	1.8	1.4								4.1	9.4
SSE		.3	.9	.2								1.4	8.5
S	.2	1.0	.4	.1								1.7	5.7
SSW		.2	.1									.3	6.7
SW		.1										.1	5.0
WSW	.1	.3										.4	4.0
W		.1										.1	4.0
WNW		.2										.2	4.5
NW		.4	.1									.5	6.0
NNW	.1	.3	.2									.6	6.0
VARBL													
CALM												1.1	
	2.1	13.4	50.6	30.5	2.3	.1						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.4	.1								.8	7.9
NNE	.1	1.3	2.0	1.0								4.3	8.2
NE	.3	3.1	7.7	3.0	.1							14.3	8.8
ENE	.7	5.1	18.1	9.7	.9							34.4	9.6
E	.3	4.6	15.9	10.6	.5							32.0	9.8
ESE	.1	1.3	2.9	1.8								6.2	9.1
SE	.1	.3	1.2	.9								2.5	9.3
SSE	.1	.4	.5	.1								1.2	6.8
S		.8	.2									1.0	5.9
SSW	.2	.2										.4	3.5
SW	.2	.1										.3	3.7
WSW		.1										.1	4.0
W	.1		.3									.4	6.3
WNW		.1	.1									.2	6.5
NW	.1	.1										.2	4.0
NNW	.1	.3	.2									.7	5.2
VARBL													
CALM												1.0	
	2.6	18.0	49.7	27.2	1.5							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22505
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	.4									1.7	4.9
NNE	2.3	2.4	2.7	.6								5.0	5.9
NE	2.4	5.9	6.0	1.1								15.5	6.6
ENE	4.0	10.9	9.8	.8	.1							26.6	6.5
E	3.0	6.8	8.9	2.9								23.7	6.9
ESE	1.5	2.2	1.9	.6								6.2	6.0
SE	.8	1.6	1.0	.1								3.5	5.4
SSE	.2	.4		.1								.7	5.7
S	.8	.1										1.0	2.9
SSW	.1	.1										.2	4.5
SW	.1											.1	2.0
WSW		.2	.1									.4	6.0
W													
WNW													
NW	.5	.1	.1									.7	4.3
NNW	.4	.5										.8	3.4
VARBL													
CALM												10.9	
	16.7	34.1	31.0	7.3	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.2	.2									5.7	3.4
NNE	2.4	3.8	.9									7.1	4.4
NE	2.2	3.8	1.5	.2								7.7	5.2
ENE	4.2	6.6	1.5	.7								13.0	4.7
E	3.3	5.3	1.8									10.4	4.3
ESE	2.4	1.5	.2	.2								4.4	4.2
SE		.7										.7	5.7
SSE	.4	.7		.2								1.3	4.8
S	.2											.2	2.0
SSW	.4											.4	1.0
SW													
WSW	.4	.4										.9	3.3
W	1.8											1.8	2.1
WNW	2.0	.2										2.2	2.7
NW	1.1	.2										1.3	2.0
NNW	1.8	.4										2.2	2.7
VARBL													
CALM												40.6	
	26.0	25.8	6.2	1.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 453

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22578
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	.2	.0								2.2	3.7
NNE	1.3	1.6	1.7	.4								5.0	6.2
NE	1.5	3.6	5.4	1.8	.1	.0						12.4	7.5
ENE	2.0	6.1	11.5	5.4	.5							25.5	8.4
E	1.7	5.6	11.1	5.2	.3							23.8	8.4
ESE	.8	1.4	2.2	1.0	.0							5.4	7.5
SE	.4	.8	1.0	.6								2.8	7.4
SSE	.2	.5	.4	.1								1.3	6.6
S	.3	.5	.1	.0								1.0	.6
SSW	.2	.1	.0									.3	3.7
SW	.1	.0										.1	3.3
WSW	.2	.2	.0									.3	3.6
W	.5	.1	.1									.6	3.1
WNW	.7	.3	.0									1.0	3.1
NW	1.1	.5	.0									1.6	3.2
NNW	1.0	.4	.1									1.5	3.4
VARBL													
CALM												15.1	
	13.2	22.4	33.8	14.6	.9	.0						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

4923

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

67,74,77-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		20.0										20.0	5.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	20.0											20.0	3.0
NNW													
VARBL													
CALM												60.0	
	20.0	20.0										100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONV. TION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	1.5										5.2	2.8
NNE	2.7	1.7	.3									4.8	3.6
NE	1.9	1.8	.7	.1								4.6	4.3
ENE	1.1	3.0	1.1	.2								5.5	5.2
E	2.6	2.6	1.5	.6								7.3	5.2
ESE	.7	.6	.7									1.9	5.2
SE	.6	.5	.2									1.3	4.4
SSE	.3	.1	.2									.7	4.8
S	.5	.1	.1									.7	3.5
SSW	.3	.1										.5	3.3
SW	.1											.1	2.0
WSW	.8	.1										.9	2.5
W	2.3	.7										3.0	2.6
WNW	3.5	.9										4.4	2.5
NW	4.4	1.7										6.1	2.9
NNW	5.8	2.2										8.0	2.8
VARBL													
CALM												45.2	
	31.5	17.5	4.9	.9								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

879

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-76
YEARS

AUG
MONTH
3900-1100
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.2									1.9	4.0
NNE	.5	2.2	.6	.1								3.4	5.5
NE	1.4	4.1	6.7	1.3								13.4	7.3
ENE	2.0	10.4	11.6	3.8								27.8	7.3
E	1.9	7.9	13.7	4.7	.2							28.4	7.9
ESE	.9	3.3	4.2	1.0								9.4	7.2
SE	.9	1.1	1.2	.8								3.9	7.0
SSE	.6	1.0	.9	.1								2.6	5.4
S	.3	.5	.1	.2								1.2	6.1
SSW	.2		.1									.3	4.3
SW	.2											.2	3.0
WSW	.1	.1										.2	3.5
W		.1										.1	6.0
WNW	.1											.1	3.0
NW	.2	.2										.4	3.3
NNW	.4	.2										.6	3.3
VARBL													
CALM												5.9	
	10.8	31.9	39.2	11.9	.2							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-76
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.2									.4	6.3
NNE	.3	1.3	1.4	.6								3.7	7.6
NE	.2	1.3	5.7	5.4	.3							12.9	10.3
ENE	.1	3.7	13.3	12.6	.6							30.3	10.2
E	.8	4.1	17.2	12.2	.5							34.7	9.8
ESE	.2	1.7	2.3	3.2								7.4	9.4
SE	.2	.2	1.8	2.2	.1							4.5	10.6
SSE	.3	.1	.6	.4								1.5	7.8
S	.4	.3	.4	.4								1.6	7.1
SSW		.2										.2	4.0
SW	.2	.1										.3	3.0
WSW													
W		.3										.3	4.7
WNW	.1	.1	.1									.3	5.0
NW		.2										.2	5.5
NNW	.1	.4	.1									.6	5.2
VARBL													
CALM												.9	
	3.1	14.2	43.2	37.0	1.6							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF- WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508 STATION WHEELER AFB HI 67-70,73-78 YEARS AUG
STATION NAME CLASS NORTH
ALL WEATHER
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	.2	.1								1.3	6.0
NNE	.5	.5	1.7	.3								3.1	7.6
NE	.4	2.8	7.3	5.8	.2							16.6	9.6
ENE	.3	3.9	13.2	11.0	1.0							29.4	10.2
E	.5	8.7	13.5	8.6	.4							31.8	9.0
ESE	.2	1.9	2.8	4.2	.2							9.4	10.1
SE		.9	1.2	.6								2.7	8.8
SSE		.6	.3	.1								1.1	7.3
S	.1	.3	.3	.1								.9	6.6
SSW	.1	.2	.1									.4	4.5
SW	.2	.1										.3	3.0
WSW	.1		.1									.2	6.5
W	.1			.1								.2	7.0
WNW			.3									.3	7.3
NW	.2											.2	2.0
NNW	.1	.6										.8	4.3
VARBL													
CALM												1.4	
	3.0	21.6	41.1	31.0	1.8							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI

STATION NAME

67-70, 73-78

YEARS

AUG

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	.6									2.7	4.4
NNE	2.2	3.2	3.2	.2								8.8	5.6
NE	2.6	6.4	5.3	1.6								15.9	6.5
ENE	2.6	8.8	9.4	2.0								22.8	6.7
E	4.2	10.8	5.6	1.8	.2							22.7	6.1
ESE	.7	2.6	3.1	.6								6.9	6.9
SE	.4	1.5	.9	.1								2.9	6.2
SSE	.5	.5	.5									1.4	5.3
S	.7	.4										1.1	3.2
SSW													
SW	.1											.1	2.0
WSW	.1											.1	2.0
W	.4	.1	.1									.6	4.0
WNW	.2	.1										.4	3.0
NW		.1										.1	4.0
NNW	.5	.6										1.1	3.7
VARBL													
CALM												12.4	
	16.1	36.2	28.7	6.4	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

850

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22508 STATION NAME WHEELER AFB HI YEARS 67-70, 73-76 MONTH AUG
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.0	.2									3.1	3.5
NNE	1.6	4.9	.4									7.0	4.5
NE	2.9	2.9	1.8	.2								7.8	4.9
ENE	3.5	5.1	1.6	.2								10.4	4.5
E	3.5	5.1	1.0	.4								10.0	4.8
ESE	.8	1.4	.4									2.7	4.5
SE	.8	1.4	.2									2.5	4.1
SSE	.8	.8										1.6	3.8
S	1.2	.4										1.6	2.9
SSW	.6											.6	2.3
SW													
WSW	.2	.2										.4	3.0
W	1.6	.6										2.2	2.8
WNW	1.8	.2										2.0	2.7
NW	1.2	.2										1.4	2.6
NNW	2.7	.8										3.5	2.5
VARBL													
CALM												43.1	
	25.2	25.2	5.7	.8								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 489

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.2	.0								2.4	3.8
NNE	1.3	2.1	1.3	.2								4.9	5.6
NE	1.4	3.2	4.8	2.6	.1							12.2	7.9
ENE	1.4	5.8	9.0	5.5	.3							22.1	8.5
E	2.1	6.6	9.5	5.2	.3							23.7	8.1
ESE	.6	2.0	2.4	1.7	.0							6.6	8.2
SE	.4	.9	1.0	.7	.0							3.0	7.7
SSE	.4	.5	.5	.1								1.5	5.9
S	.5	.3	.2	.1								1.1	5.2
SSW	.2	.1	.0									.3	3.7
SW	.2	.0										.2	2.8
WSW	.2	.1	.0									.3	3.2
W	.6	.3	.0	.0								1.0	3.2
WNW	.9	.2	.1									1.2	2.9
NW	1.0	.4										1.4	2.9
NNW	1.5	.8	.0									2.3	3.1
VARBL													
CALM												15.8	
	13.9	24.3	29.2	16.1	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

5017

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506 WHEELER AFB HI 73,76 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 0000-0200
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	16.7											16.7	3.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W	16.7											16.7	2.0
WNW													
NW		33.3										33.3	4.0
NNW													
VARBL													
CAUA												33.3	
	33.3	33.3										100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22503
STATION

WHEELER AFB HI
STATION NAME

75-76
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	50.0											50.0	2.6
NNW	50.0											50.0	3.0
VARBL													
CALM													
	100.0											100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22505 STATION WHEELER AFB HI 67-70, 73-78 YEARS SEP
ALL WEATHER 2601-0800
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	.5										3.4	2.6
NNE	1.7	1.2	.1									3.0	3.5
NE	1.3	1.4	.1									3.3	3.7
ENE	1.5	1.7	.7									3.9	4.4
E	1.2	1.9	.5									3.6	4.4
ESE	.5	.7										1.2	3.3
SE		.4										.4	5.0
SSE	.6	.1										.7	2.7
S	.6	.1										.7	2.7
SSW	.1											.1	2.0
SW	.4											.4	2.3
WSW	.5	.2										.7	2.5
W	2.7	.1										2.9	2.4
WNW	4.2	.8										5.0	2.3
NW	4.3	1.8	.1									6.2	2.8
NNW	5.1	1.2										6.3	2.6
VARBL													
CALM												58.3	
	28.0	12.1	1.5									100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 842

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22500 WHEELER AFB HI 67-70,73-78 SEP

STATION STATION NAME TELR MONTH

ALL WEATHER

CLASS

CONDICION

3900-1100

NOTES (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.6	.8									2.3	4.4
NNE	1.7	2.3	1.0	.1								5.1	5.2
NE	2.1	5.0	6.8	.6	.1							14.6	6.4
ENE	2.3	8.0	9.3	1.4								21.1	6.9
E	2.3	7.2	11.1	2.9								23.6	7.4
ESE	1.7	3.7	3.8	.4								9.6	6.3
SE	.6	1.9	1.8	.2								4.4	6.7
SSE	1.2	.4	.9	.2								2.8	5.4
S	.7	1.0	.3									2.0	4.6
SSW		.1										.1	4.0
SW	.2	.3										.6	4.4
WSW													
W	.4											.4	2.3
WNW	.4	.3										.8	3.4
NW	.4	.1	.1									.7	3.5
NNW	.1	.1	.4									.7	6.5
VARBL													
CALM												11.2	
	15.2	31.1	36.4	5.9	.1							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.4									1.2	5.5
NNE	.1	1.2	2.3	1.0								4.7	8.4
NE	.1	2.4	7.6	5.1	.1							15.4	9.6
ENE	.9	4.3	15.9	6.3								27.5	8.9
E	.6	4.8	13.5	6.2								25.1	9.0
ESE	.4	1.0	3.5	3.2	.1							8.2	9.7
SE	.4	1.2	1.4	1.2	.1							4.5	8.5
SSE	.2	.9	1.3	.6								3.0	7.4
S	.3	.8	1.0	.1								2.2	6.7
SSW	.1	.7	.3									1.1	5.6
SW		.1	.2									.3	6.3
WSW	.3	.1										.4	2.5
W	.2	.1	.1									.4	5.3
WNW	.2		.4									.7	6.2
NW	.3	.7	.7	.1								1.8	6.0
NNW	.2	.8	.7									1.7	6.0
VARBL													
CALM												1.8	
	4.7	19.8	49.4	23.9	.3							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.7									1.8	5.1
NNE	.1	1.7	2.9	.4								5.1	7.6
NE	.4	4.0	9.6	4.8								18.8	8.9
ENE	.4	4.6	14.2	6.7	.3							26.3	9.2
E	1.1	4.7	11.9	5.8								23.5	8.8
ESE	.6	1.8	3.6	2.4								8.3	8.7
SE	.2	.9	1.4	.4								3.0	7.8
SSE	.4	1.0	.6									2.0	5.7
S	.3	.9	.7									1.9	6.0
SSW		.3	.1									.4	6.3
SW		.1	.3	.1								.6	8.4
WSW	.1	.1	.1									.3	5.0
W	.2	.6	.1									.9	4.6
WNW	.1	.6	.3									1.0	6.1
NW	.2	.6	.1									.9	4.8
NNW	.2	1.0	.8									2.0	5.8
VARBL													
CALM												3.2	
	5.1	23.2	47.4	20.7	.3							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22538
STATION

WHEELER AFB HI
STATION NAME

67-70.73-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.3	.4									4.1	4.1
NNE	2.3	4.1	2.4	.4								9.2	5.4
NE	3.4	5.3	4.9	1.1								14.7	6.0
ENE	2.9	6.6	4.1	.6								14.2	5.7
E	2.2	6.9	3.8	.6								13.5	5.7
ESE	1.6	1.7	2.2	.2								5.7	5.8
SE	1.0	1.5	.5	.1								3.0	4.8
SSE	.4	1.1	.1									1.6	4.2
S	.8	.2	.1									1.2	3.1
SSW	.4	.5										.8	3.4
SW	.1											.1	2.0
WSW		.1										.1	4.0
W	.2	.2	.1									.6	4.2
WNW	.7	.1										.8	2.4
NW	.5	.2	.2									1.0	4.0
NNW	1.3	.6	.1									2.1	3.4
VARBL													
CALM												27.2	
	19.3	31.6	18.9	3.0								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH
2100-2300
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	.2									3.2	4.3
NNE	2.6	3.0	.9									6.4	4.1
NE	3.4	1.9	.9									6.2	3.8
ENE	3.6	2.6	.9									7.1	3.9
E	3.2	1.7	.6	.2								5.8	3.9
ESE	.9	.6										1.5	3.7
SE	.6	.4	.2									1.3	4.3
SSE	.4	.2										.6	3.0
S	.4	.2										.6	3.3
SSW	.2											.2	2.0
SW	.6											.6	1.7
WSW	.9	.2										1.1	2.8
W	2.4	.2										2.6	2.5
WNW	2.4	.4										2.8	2.6
NW	3.4											3.4	2.3
NNW	2.4	.2										2.6	2.3
VARBL													
CALM												53.9	
	28.8	13.5	3.6	.2								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 466

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

HEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.4									2.6	4.1
NNE	1.3	2.2	1.7	.4								5.5	5.9
NE	1.7	3.5	5.4	2.1	.0							12.7	7.5
ENE	1.8	4.8	8.3	2.8	.1							17.7	7.7
E	1.6	4.8	7.6	2.9								16.9	7.7
ESE	.9	1.7	2.4	1.2	.0							6.2	7.5
SE	.5	1.1	1.0	.4	.0							2.9	7.0
SSE	.6	.7	.5	.1								1.9	5.6
S	.5	.6	.4	.0								1.5	5.1
SSW	.1	.3	.1									.5	4.7
SW	.2	.1	.1	.0								.4	4.9
WSW	.2	.1	.0									.4	3.1
W	.9	.2	.1									1.2	3.1
WNW	1.2	.4	.1									1.7	3.1
NW	1.4	.6	.2	.0								2.3	3.5
NNW	1.5	.7	.4									2.5	3.8
VARBL													
CALM												23.0	
	15.7	22.6	28.6	9.9	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 4836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508 WHEELER AFB HI 73-74 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER 0300-0500
CLASS HOURS (L & T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	33.3											33.3	2.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW		33.3										33.3	4.0
NNW													
VARBL													
CALM												33.3	
	33.3	33.3										100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 3

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508 STATION WHEELER AFB HI 67-70, 73-76 YEARS OCT
 ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.3										4.0	2.8
NNE	.6	1.6										2.2	4.1
N-	1.4	1.0	.1									2.5	3.4
NNE	1.6	1.0	.1	.2								2.4	4.5
E	1.2	1.6	1.5	.2								4.5	5.8
ESE	.5	.7	.3									1.5	4.5
SE	.1	1.0	.2									1.4	5.2
SSE	.3	.2	.3									.9	4.8
S	.3	.5										.8	3.4
SSW	.3		.1									.5	3.0
SW	.2	.1										.3	3.0
WSW	.2											.2	2.5
W	1.5	.3										1.8	2.7
WNW	5.5	.6										6.1	2.3
NW	5.7	1.7										7.6	2.7
NNW	3.7	2.1	.2									6.0	3.1
VARBL													
CALM												57.0	
	25.6	13.9	3.0	.5								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 866

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

07-70, 73-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	.6	.2								3.9	5.1
NNE	1.4	2.3	2.2	.4								6.2	5.9
NE	2.6	3.5	4.1	.9	.1							11.2	6.3
ENE	2.5	5.7	7.4	2.2	.1							17.8	7.2
E	2.8	5.4	9.4	2.9								20.4	7.4
ESE	1.4	2.6	2.7	.4								7.1	6.3
SE	.5	3.1	1.2	.3								5.2	5.8
SSE	1.2	1.4	.8	.1								3.4	5.2
S	1.3	2.2	.5									4.0	4.7
SSW	.5	.6	.3									1.5	4.6
SW	.1	.3	.5	.1								1.1	7.1
WSW	.2	.3	.1	.1								.8	6.1
W	.6		.1									.8	2.9
WNW		.2	.1									.3	6.3
NW	.2	.4	.1									.8	4.6
NNW	1.1	1.1		.1								2.3	4.1
VARBL													
CALM												13.3	
	17.8	30.8	30.1	7.7	.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-76
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.2	2.2									4.6	5.6
NNE	.3	2.9	1.7	.4								5.4	6.7
NE	.1	2.2	6.3	3.5								12.2	9.0
ENE	.8	3.3	11.9	7.0	.3							23.8	9.2
E	1.2	5.3	8.9	5.7	.6							21.7	8.9
ESE	.4	2.4	3.7	1.8								8.3	8.4
SE	.3	.8	1.6	.1								2.8	7.0
SSE	.4	1.7	1.2	.1								3.4	6.3
S	.5	1.2	1.9	.2								3.9	6.6
SSW	.2	.8	.8									1.7	6.2
SW	.2	.3	.2									.8	5.3
WSW	.1	.3	.1	.2								.8	7.9
W	.2	.9		.1								1.2	5.0
WNW	.4	.5	.8									1.7	5.5
NW	.3	1.1	.3									1.7	5.1
NNW	.3	.9	1.4									2.6	6.2
VARBL													
CALM												3.5	
	7.2	26.0	43.0	19.2	1.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22608
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-76
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	1.5	.3								5.5	6.0
NNE	.5	2.2	2.3	.2								5.2	6.5
NE	.4	3.8	6.1	3.7								14.0	8.5
ENE	.9	4.6	12.3	5.1	.1							22.9	8.6
E	1.4	6.0	12.8	3.7								23.9	7.9
ESE	.6	2.5	2.9	1.0								7.0	7.4
SE		1.1	.6	.1								1.8	6.6
SSE	.3	1.2	.8	.1								2.4	5.7
S	1.0	1.7	1.5	.2								4.4	5.9
SSW	.3	.3	.4	.1								1.2	6.3
SW	.1	.5	.2									.9	5.0
WSW	.2		.1									.3	4.0
W	.4	.6										1.1	3.7
WNW	.5	.6										1.2	3.8
NW	.1	.4	.2									.8	5.1
NNW	.6	1.4	1.1									3.1	5.5
VARBL													
CALM												4.5	
	2.5	29.7	42.8	14.4	.1							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

67-73, 73-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.6	.8									7.2	3.9
NNE	1.3	3.9	.8									6.0	4.7
NE	2.5	3.7	1.2									7.5	4.5
ENE	2.8	6.6	4.1									13.5	5.4
E	2.5	5.2	1.9	.2								9.9	4.8
ESE	1.9	1.6	.6									4.1	3.9
SE	.8	1.3	.4									2.5	4.3
SSE	.5	1.1	.2									1.8	4.6
S	.8	1.1										1.9	3.5
SSW	.6	.1	.1									.8	3.3
SW	.2											.2	2.0
WSW	.5	.1										.6	2.4
W	1.2	.2										1.4	2.7
WNW	1.0	.5										1.4	2.9
NW	2.2	.7										2.9	2.8
NNW	2.2	2.0	.2									4.5	3.5
VARB													
CALM												33.7	
	24.8	30.8	10.5	.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CO-DITION

SPEED (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	.9										4.1	3.1
NNE	1.3	1.1	.9									3.3	4.7
NE	1.1	1.1	.9									3.1	4.8
ENE	1.3	2.0	1.7									5.0	5.3
E	2.2	2.0	.4	.2								4.8	4.3
ESE	.7	.9	.2									1.7	4.0
SE	.4		.2									.7	5.0
SSE	.7	.2										.9	3.5
S	1.1	.4										1.5	2.9
SSW	.4											.4	3.0
SW	.2	.2										.4	3.5
WSW	.2											.2	3.0
W	3.3	.9										4.1	2.6
WNW	3.3	.7										3.9	2.3
NW	4.4	.9	.2									5.4	2.6
NNW	3.1	1.3										4.4	2.9
VARBL													
CALM												56.0	
	26.8	12.4	4.6	.2								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

459

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508 WHEELER AFB HI 67-70, 73-76 OCT

STATION STATION NAME YEARS MONTH

ALL WEATHER CLASS

CONDITION

ALL

NOES (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.8	.9	.1								5.3	4.6
NNE	.9	2.4	1.4	.2								4.8	5.7
NE	1.4	2.7	3.4	1.5	.3							9.0	7.2
ENE	1.5	4.1	6.8	2.7	.1							15.3	7.8
E	1.8	4.5	6.5	2.4	.1							15.3	7.5
ESE	.9	1.9	1.9	.6								5.3	6.7
SE	.4	1.3	.8	.1								2.6	5.8
SSE	.6	1.1	.6	.1								2.3	5.4
S	.8	1.3	.7	.1								2.9	5.2
SSW	.4	.3	.3	.0								1.1	5.1
SW	.2	.3	.2	.0								.6	5.3
WSW	.2	.1	.1	.1								.5	5.2
W	1.0	.5	.0	.0								1.5	3.1
WNW	1.6	.5	.2									2.3	3.1
NW	1.9	.9	.1									3.0	3.2
NNW	1.7	1.5	.5	.0								3.7	4.0
VARBL													
CALM												24.9	
	17.5	25.0	24.5	7.9	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 4949

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 22505 STATION NAME WHEELER AFB HI YEARS 74,76 MONTH NOV
CLASS ALL WEATHER HOURS (L & T) 0800-0200
CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE				25.0								25.0	12.0
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												75.0	
				25.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 4

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATIONWHEELER AFB HI
STATION NAME73-76,78
YEARSNOV
MONTHALL WEATHER
CLASS0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E		16.7										16.7	5.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW		16.7										16.7	5.0
NNW													
VARBL													
CAL"												66.7	
		33.3										100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

6

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATIONWHEELER AFB HI
STATION NAME67-70, 73-78
YEARSNOV
MONTHALL WEATHER
CLASS0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.7	.7	.1								4.6	4.7
NNE	.7	1.4	1.0	.1								3.3	5.6
NE	1.1	.5	.5	.1								2.2	4.4
ENE	1.1	1.2	.5									2.8	4.6
E	1.1	1.1	.6	.6								3.4	6.0
ESE	.4	.6	.2	.2								1.4	6.0
SE	.4	1.1	.5	.2	.1							2.3	6.7
SSE	.8	1.1	.5	.2								2.7	5.5
S	.4	.4	.4	.4								1.4	7.4
SSW	.4	.1										.5	3.3
SW	.1											.1	2.0
WSW													
W	3.0	1.4		.1								4.6	3.2
WNW	2.5	2.1	.2									4.8	3.4
NW	5.5	4.2	.1									9.9	3.2
NNW	3.7	3.0	.1									6.9	3.5
VARBL													
CALM												49.2	
	23.3	19.9	5.3	2.2	.1							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	1.7	.3	.2							5.6	6.5
NNE	.8	1.9	1.8	1.1								5.6	7.4
NE	1.0	2.4	3.3	1.8								8.5	7.5
ENE	1.2	3.4	5.4	1.4	.2							11.6	7.5
E	1.6	4.4	5.4	2.8	.2	.1						14.6	7.9
ESE	1.5	3.1	3.2	.8								8.5	6.6
SE	.8	2.7	1.6	.5								5.5	6.2
SSE	1.5	2.6	1.8	.5								6.3	5.9
S	.6	2.6	1.0	.9								5.1	6.6
SSW	.1	.2										.3	3.3
SW	.1		.1									.2	5.5
WSW		.1	.1	.1								.3	8.7
W	.2	.5	.3									1.0	5.0
WNW	.5	.6	.1	.1								1.2	4.5
NW	1.1	1.5	.2	.1								2.9	4.5
NNW	.6	1.9	1.0	.1								3.6	5.9
VARBL													
CALM												18.9	
	12.7	30.1	27.1	10.5	.7	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 885

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22506
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.8	1.6	.9								5.1	7.1
NNE	.3	.9	1.9	1.6								4.7	9.0
NE	.7	2.5	4.9	4.3	.1							12.4	9.3
ENE	.7	3.2	8.8	5.1	.2							17.9	9.1
E	.7	2.8	9.0	5.5	.7	.1						19.8	9.7
ESE	.6	1.2	2.0	1.6	.1							5.5	8.7
SE	.3	1.7	1.8	1.0	.1							5.0	8.0
SSE	.3	2.7	1.8	.8								5.6	7.1
S	.6	3.0	2.1	1.8								7.6	7.4
SSW	.1	.2	.3									.7	6.0
SW		.1	.2	.2								.6	10.0
WSW	.1	.8	.1									1.0	5.6
W	.2	.5	.6									1.2	6.3
WNW	.1	.6	.8									1.5	6.9
NW	.1	.9	1.0									2.0	6.8
NNW	.5	2.0	2.4	.1								5.0	6.5
VARBL													
CALM												4.4	
	6.1	24.9	40.3	22.9	1.2	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

HEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.1	2.7	.3								6.9	6.3
NNE	.3	1.6	2.8	1.1								5.9	8.1
NE	.5	2.5	5.5	3.1	.1							11.6	8.7
ENE	.5	4.7	8.3	3.2	.1							16.7	8.2
E	.8	5.7	8.5	3.4	.3							18.7	8.2
ESE	.7	1.0	1.6	1.4	.1							4.8	8.5
SE	.5	1.4	.6	.8								3.2	7.0
SSE	.8	3.2	1.5	.8								6.2	6.3
S	1.1	1.9	2.2	1.0								6.2	7.1
SSW		.8	.5									1.2	6.0
SW	.1	.5	.1									.7	5.8
WSW	.3	.6	.2	.1								1.2	5.5
W	.2	1.0	.7	.1								2.0	6.4
WNW	.5	.3	.2	.1								1.1	4.8
NW	.5	1.4	.7	.1								2.6	5.3
NNW	.7	3.2	1.9	.2								6.0	6.2
VARBL													
CALM												4.7	
	8.2	32.7	38.0	15.8	.7							106.0	7.2

TOTAL NUMBER OF OBSERVATIONS

880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22502
STATION

WHEELER AFB HI

67-70, 73-76

NOV

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.4	1.7									8.8	4.8
NNE	1.5	3.2	.9	.1								5.8	5.0
NE	1.5	2.0	1.4	.4								5.4	5.6
ENE	1.9	5.0	1.0	.3								8.2	5.0
E	2.4	3.5	2.0	.8	.1							8.8	5.8
ESE	1.0	.9	.4	.6								2.9	6.7
SE	.6	1.2	.4		.1							2.3	5.4
SSE	.4	1.3	.4	.8								2.8	7.3
S	1.2	1.2	.8		.1							3.2	5.3
SSW	.1	.4		.1								.6	6.0
SW	.4		.1									.5	3.8
WSW	.3	.3										.5	3.0
W	.6	1.3	.1	.1								2.2	4.4
WNW	1.5	.9										2.4	3.5
NW	2.3	2.2	.3									4.7	3.6
NNW	1.9	3.1	.5									5.5	4.4
VARBL													
CALM												35.2	
	20.6	30.6	10.0	3.2	.4							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

781

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI

STATION NAME

67-70, 73-78

YEARS

NOV

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.8	1.1									4.5	4.5
NNE	1.3	1.6	.4	.2								3.6	5.1
NE	.9	.4	.2									1.6	3.6
ENE	.9	1.3	1.3	.4								4.0	6.2
E	.9	2.5	.4	.4	.2							4.5	6.2
ESE	.9	.2	.2	1.8	.4							3.6	10.2
SE	.7	.2	.7									1.6	5.0
SSE		.4	.4	.7	.2							1.8	10.0
S	.4	.4	.7	.4								2.0	7.0
SSW													
SW		.2										.2	6.0
WSW		.2										.2	4.0
W	4.0	.7										4.7	2.6
WNW	3.1	1.8										4.9	3.0
NW	3.4	3.1	.7									7.2	3.8
NNW	3.4	3.6	.7									7.6	3.8
VARBL													
CALM												47.9	
	21.6	18.7	7.0	4.0	.9							100.0	.6

TOTAL NUMBER OF OBSERVATIONS

445

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	1.6	.3	.0							6.0	5.7
NNE	.8	1.8	1.6	.6								4.9	7.0
NE	.9	1.8	2.9	1.8	.0							7.5	7.9
ENE	1.0	3.3	4.6	1.9	.1							10.9	7.7
E	1.3	3.4	5.0	2.5	.3	.0						12.4	8.1
ESE	.8	1.3	1.4	1.0	.1							4.6	7.7
SE	.5	1.5	1.0	.5	.1							3.5	6.7
SSE	.7	2.0	1.1	.6	.0							4.5	6.5
S	.7	1.7	1.3	.8	.0							4.5	6.9
SSW	.1	.3	.1	.0								.6	5.3
SW	.1	.1	.1	.0								.4	6.3
WSW	.1	.3	.1	.0								.6	5.4
W	1.1	.9	.3	.1								2.4	4.2
WNW	1.2	1.0	.3	.0								2.4	4.0
NW	2.0	2.1	.5	.0								4.6	4.0
NNW	1.6	2.7	1.2	.1								5.6	5.0
VARBL													
CALM												24.4	
	14.6	26.8	23.0	10.5	.7	.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 4716

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI

STATION NAME

68,76

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	11.1	16.7										27.8	3.8
NNE													
NE													
ENE													
E			11.1	5.6								16.7	9.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	11.1	11.1										22.2	3.3
NNW	5.6	16.7	5.6									27.8	4.6
VARBL													
CALM												5.6	
	27.8	44.4	16.7	5.6								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

18

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22503
STATION

WHEELER AFB HI
STATION NAME

67-68,75,78
YEARS

DEC
MONTH

0300-0500
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			10.0									10.0	7.5
NNE													
NE													
ENE		5.0										5.0	6.0
E		5.0	5.0									10.0	7.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW	20.0											20.0	2.0
NNW	10.0	20.0	5.0									35.0	4.4
VARBL													
CALM												20.0	
	30.0	30.0	20.0									100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

20

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

67-73, 73-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

360C-0600
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	2.1	1.2	.1								5.9	4.3
NNE	.6	1.2	1.0	.4								3.1	6.6
NE	.5	.6	.8	.5	.1							2.7	7.4
ENE	.4	1.7	1.6	.6	.4							4.6	8.2
E	1.0	1.4	1.6	1.4	.1							5.6	7.9
ESE	.7	.4	.6									1.5	4.8
SE	.2	.1	.2									.6	5.0
SSE	.5	.7	.5	.1								1.8	5.7
S	.7	.8	.4	.5	.2							2.7	7.4
SSW	.2	.1	.7	.5								1.6	8.9
SW	.4	.1		.1								.6	5.4
WSW	.1			.2								.4	9.7
W	1.6	.7	.1									2.4	3.1
WNW	1.7	1.6										3.3	3.2
NW	4.6	3.3	.2									8.1	3.3
NNW	5.3	4.1	.1									9.5	3.4
VARBL													
CALM												44.7	
	22.0	19.0	9.1	4.5	.8							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508 WHEELER AFB HI 67-73, 73-78 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 3900-1100
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.1	1.9	.5								8.1	5.6
NNE	1.1	2.4	3.6	.9								8.0	7.1
NE	1.1	1.9	1.9	1.5	.1							6.5	7.7
ENE	1.2	2.3	4.5	2.8	.3	.1						11.3	8.8
E	1.9	3.8	5.0	2.3	1.4							14.3	8.5
ESE	1.6	1.7	1.4	.5								5.1	5.6
SE	.7	1.4	.8									2.8	5.3
SSE	1.6	2.4	.3	.1								4.4	4.2
S	1.2	2.3	1.6	.9								6.0	6.5
SSW	.2	.5	.2	.8	.1							1.8	9.6
SW	.2	.5		.2	.3							1.2	9.8
WSW		.3	.1	.1								.6	7.6
W	.2	.7	.1									1.0	4.4
WNW	.3	.7	.1									1.1	3.9
NW	1.2	.7	.3	.1								2.4	4.3
NNW	1.5	1.8	1.4	.1								4.7	5.3
VARBL													
CALM												20.7	
	15.9	27.1	23.2	10.7	2.3	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 888

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI

STATION NAME

67-70, 73-78

YEARS

DEC

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	4.1	1.0	.1							7.5	8.1
NNE	.6	2.1	2.2	1.7								6.6	8.1
NE	.6	2.1	5.1	3.7	.2							11.6	9.4
ENE	1.0	3.3	4.7	5.3	1.0							15.4	9.8
E	1.3	2.3	7.1	5.6	1.0	.3						17.7	10.0
ESE	.9	1.8	1.0	1.1	.1							5.1	7.1
SE	.6	.8	.6	.5								2.4	6.5
SSE	.7	2.2	2.2	.5								5.5	6.6
S	.7	2.4	2.2	1.4	.3	.1						7.1	8.5
SSW		.7	.8	.1	.1							1.7	8.3
SW	.3	.2	.7	.7	.1							2.1	9.8
WSW		.2	.3	.1	.1							.8	9.9
W	.3	.8	.2	.1								1.5	4.9
WNW	.3	.9	.1									1.4	4.4
NW	.7	1.6	.8	.5								3.6	5.9
NNW	.7	2.1	2.0	1.0								5.7	7.3
VARBL													
CALM												4.4	
	9.5	24.9	34.1	23.3	3.2	.5						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22528
STATION

WHEELER AFB HI
STATION NAME

67-10,73-78
YEARS

DEC
MONTH

1500-1700
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.9	4.1	1.2								10.0	7.3
NNE	.5	1.5	3.5	1.1		.1						3.7	8.4
NE	.8	2.0	4.6	2.2	.9							10.5	9.3
ENE	1.3	4.7	6.7	4.1	.2	.1						17.1	8.4
E	.9	4.3	6.7	4.3	.7	.1						17.1	8.9
ESE	.2	.6	.6	.5								1.9	7.8
SE		1.3	.2									1.5	5.5
SSE	.6	2.5	.9									4.0	5.5
S	.5	3.4	2.2	.1	.6							6.8	7.3
SSW		.9	.7	.1	.1							1.9	7.3
SW	.1	.4	.1	.5								1.1	8.6
WSW	.1	.2		.2	.2	.1						.9	12.5
W	.6	.6	.2									1.4	4.4
WNW	.5	.7	.2									1.4	4.9
NW	.5	1.1	1.9	.2								3.6	6.8
NNW	.9	3.3	4.2	.5								8.9	6.8
VARBL													
CALM												5.	
	8.4	31.2	36.8	15.0	2.8	.5						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

856

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

1800-2000
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.1	6.2	2.6	.1								14.1	4.8
NNE	1.5	1.8	1.8	.4								5.4	5.9
NE	1.6	1.5	1.5	1.2	.3							6.1	7.4
ENE	1.4	2.7	2.2	.8	.1							7.2	6.8
E	3.0	2.2	3.4	1.5	.1	.1						10.3	7.1
ESE	.3	1.2	.3	.5								2.3	6.6
SE	1.1	.7	.1									1.9	3.4
SSE	.8	.5	.3	.1								1.8	4.5
S	1.4	1.8	.4	.5	.3							4.3	6.0
SSW	.1	.3	.5	.3								1.2	7.8
SW	.1			.3								.4	8.7
WSW	.8	.3			.1	.1						1.4	6.3
W	.4	.4			.1							.9	5.6
WNW	.7	.4	.3									1.4	4.2
NW	1.4	1.4	.5	.1								3.4	4.6
NNW	3.0	3.4	1.2	.5								8.1	4.9
VARBL													
CALM												29.9	
	22.6	24.6	15.0	6.5	1.1	.3						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

739

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH
2100-2300
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	4.4	1.0	.5								10.6	4.4
NNE	.5	1.8	2.1	.8								5.2	7.3
NE	.8	.8	1.0	1.0								3.6	8.1
ENE	.3	2.3	2.3	.8								5.7	7.8
E	1.3	1.8	2.6	1.3		.3						7.2	7.8
ESE	.3	.5	.3									1.5	3.7
SE	1.0	.5	.5									2.1	4.3
SSE	.3	1.0										1.3	4.8
S	1.3	.8		.5	.5							3.1	7.7
SSW	.3	.8	1.0	.3								2.3	6.8
SW	.3		.3	.5	.3							1.3	11.4
WSW	.3											.3	2.0
W	2.1		.3									2.3	2.8
WNW	2.1	1.8	.3									4.1	3.6
NW	3.4	.8	.3									4.4	2.6
NNW	5.4	2.8	.8	.5								9.5	4.0
VARBL													
CALM												35.6	
	24.5	20.1	12.6	6.2	.8	.3						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 388

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.6	2.7	.6	.0							9.4	5.6
NNE	.8	1.8	2.4	.9		.0						5.9	7.4
NE	.9	1.5	2.6	1.8	.3							7.2	8.6
ENE	1.0	2.9	3.8	2.5	.4	.0						10.7	8.6
E	1.5	2.8	4.6	2.9	.6	.1						12.6	8.8
ESE	.7	1.1	.7	.5	.0							3.1	6.3
SE	.5	.8	.4	.1								1.9	5.2
SSE	.8	1.6	.8	.2								3.3	5.4
S	.9	2.0	1.3	.7	.3	.0						5.2	7.3
SSW	.1	.5	.6	.3	.1							1.7	8.2
SW	.2	.2	.2	.4	.1							1.1	9.3
WSW	.2	.2	.1	.1	.1	.0						.7	8.9
W	.7	.6	.2	.0	.0							1.5	4.0
WNW	.8	.9	.2									1.9	3.9
NW	1.9	1.5	.7	.2								4.3	4.4
NNW	2.5	3.0	1.7	.4								7.7	5.2
VARBL													
CALM												21.7	
	16.3	25.1	23.0	11.6	2.3	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

4607

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22508
STATIONWHEELER AFB HI
STATION NAME67-70, 73-79
YEARSALL
NORTHALL WEATHER
CLASSALL
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	1.2	.2	.0							5.1	5.2
NNE	1.1	1.9	1.7	.5	.0	.0						5.2	6.4
NE	1.2	2.6	4.0	2.0	.1	.0						9.9	7.8
ENE	1.4	4.1	7.1	3.5	.3	.0						16.3	8.3
E	1.6	4.1	7.2	3.6	.2	.0						16.8	8.2
ESE	.8	1.5	1.8	.9	.0	.0						5.0	7.3
SE	.5	1.1	.9	.4	.0							2.9	6.6
SSE	.6	1.1	.9	.3	.0							3.0	6.5
S	.7	1.2	1.0	.4	.1	.0	.0					3.3	6.6
SSW	.3	.3	.3	.1	.0	.0						1.0	6.1
SW	.2	.2	.2	.1	.0	.0						.7	6.6
WSW	.2	.3	.2	.1	.0	.0						.7	5.6
W	.8	.5	.2	.0	.0							1.5	4.4
WNW	1.1	.6	.2	.0	.0							1.9	3.9
NW	1.5	1.2	.5	.1								3.3	4.3
NNW	1.7	1.7	1.0	.1	.0							4.5	4.8
VARBL													
CALM												18.8	
	15.4	24.4	28.3	12.2	.8	.0	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

58063

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-79
YEARS

ALL
MONTH

INSTRUMENT

ALL
HOURS (L S T.)

CIG 200 TO 1400 FT w/ VSBY 1/2 MI OR MORE,

AND/OR VSBY 1/2 TO 2-1/2 MI w/CIG 200 FT OR MORE

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.8	2.4	.2								6.7	5.9
NNE	1.1	2.1	1.4	.4								5.0	5.8
NE	.5	1.2	1.3	.1								3.1	6.5
ENE	.9	1.2	1.3	.4								5.8	6.3
E	1.3	1.8	1.6	.2								4.9	5.6
ESE	.7	1.2	1.1	.4								3.4	6.4
SE	1.0	2.5	1.1	.7	.1							5.4	6.3
SSE	1.2	3.5	3.0	1.8	.4							9.8	7.6
S	2.0	4.5	4.2	2.0	1.3		.1					14.3	8.3
SSW	1.1	1.1	1.9	1.1	.3	.1						5.6	8.4
SW	.7	.6	.5	.9	.1	.1						2.9	8.9
WSW	.4	.5	.8	.4	.2	.1						2.4	9.4
W	.5	.8	1.0	.4	.1							2.8	7.0
WNW	.6	.8	.6	.4	.1							2.4	6.6
NW	.8	2.0	1.6	.4								4.9	6.2
NNW	1.1	2.2	2.8	.6	.1							6.7	6.7
VARBL													
CALM												15.9	
	15.3	28.9	26.6	10.4	2.6	.3	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1416

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.6		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.6%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH
UNIT 2140
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WHEELER AFB HI STATION NAME 73,75 YEARS JAN
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 0300-0500
HOURS 15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 20000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 18000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 16000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 14000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 12000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 10000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 8000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4500	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 26

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22505 WHEELER AFB HI

68-70,75-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	50.2	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9
≥ 20000	52.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6
≥ 18000	53.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 16000	53.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 14000	53.7	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
≥ 12000	54.6	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6
≥ 10000	55.7	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6
≥ 9000	56.3	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2
≥ 8000	56.8	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
≥ 7000	57.3	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2
≥ 6000	58.4	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1
≥ 5000	60.9	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1
≥ 4500	63.3	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.7	64.7
≥ 4000	67.6	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4
≥ 3500	70.9	72.4	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0
≥ 3000	74.4	76.8	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9
≥ 2500	79.1	81.3	82.1	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6
≥ 2000	84.0	86.9	88.0	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8
≥ 1800	85.0	88.0	89.0	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8
≥ 1500	87.7	91.5	93.2	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
≥ 1200	88.4	92.3	94.0	94.9	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9
≥ 1000	89.0	93.3	95.1	95.9	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 900	89.1	93.5	95.3	96.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
≥ 800	89.1	93.5	95.4	96.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.8	97.9	98.0	98.0	98.0
≥ 700	89.2	93.6	95.6	96.4	97.4	97.4	97.9	97.9	98.0	98.1	98.4	98.4	98.5	98.6	98.7	98.7
≥ 600	89.6	93.9	95.9	96.7	98.0	98.0	98.5	98.5	98.6	98.7	98.9	99.1	99.2	99.2	99.3	99.3
≥ 500	89.6	93.9	95.9	96.7	98.0	98.0	98.5	98.5	98.6	98.7	98.9	99.1	99.2	99.2	99.3	99.3
≥ 400	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.3	99.4	99.6	99.8	99.9	99.9	100.0	100.0
≥ 300	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.3	99.4	99.6	99.8	99.9	99.9	100.0	100.0
≥ 200	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.3	99.4	99.6	99.8	99.9	99.9	100.0	100.0
≥ 100	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.3	99.4	99.6	99.8	99.9	99.9	100.0	100.0
≥ 0	89.8	94.3	96.3	97.2	98.6	98.6	99.2	99.2	99.3	99.4	99.6	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 855

DATA PROCESSING BRANCH
USAF ETAC
AF- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22:00 2-EELEP AFB HI

68-70,73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 12000	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 10000	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 8000	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 6000	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 5000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	71.4	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3500	74.6	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	81.6	81.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	84.7	84.7	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2000	89.1	89.1	89.7	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1800	90.4	90.4	91.5	91.5	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1600	93.2	93.2	94.1	94.4	94.9	94.9	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1400	94.2	94.2	95.1	95.5	96.0	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	95.0	95.0	95.9	96.4	97.1	97.1	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	95.3	95.3	96.1	96.6	97.4	97.4	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	95.6	95.6	96.5	97.0	97.8	97.8	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	95.8	95.8	96.5	97.0	97.8	97.8	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	95.8	95.8	96.5	97.0	97.8	97.8	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	95.8	95.8	96.5	97.0	97.8	97.8	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	96.1	96.1	97.1	97.7	98.5	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	96.1	96.1	97.1	97.7	98.5	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	96.1	96.1	97.1	97.7	98.5	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	96.1	96.1	97.1	97.7	98.5	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	96.1	96.1	97.1	97.7	98.5	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	96.1	96.1	97.1	97.7	98.5	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 906

ATTN: PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

STATION: WHEELER AFB MI

68-70,73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 14000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 12000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 9000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 6000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 5000	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4000	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	77.9	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2500	82.2	83.4	83.6	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	87.0	89.2	89.7	90.0	90.3	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	87.9	90.2	90.7	90.9	91.4	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	89.4	92.1	92.7	92.9	93.5	93.6	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4
≥ 1200	90.5	93.4	94.0	94.4	95.0	95.5	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4
≥ 1000	91.3	94.4	95.0	95.4	96.2	96.7	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥ 900	91.5	94.7	95.4	95.7	96.6	97.0	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 800	91.6	94.9	95.7	96.1	97.0	97.6	98.1	98.6	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 700	91.6	95.0	95.9	96.4	97.2	97.8	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 600	91.6	95.0	96.0	96.5	97.4	97.9	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 500	91.6	95.0	96.0	96.5	97.4	98.1	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	91.6	95.3	96.2	96.7	97.6	98.3	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 906

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20710 WHEELER AFB HI

68-73,73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥20000	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥18000	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥16000	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥14000	50.8	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥12000	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥10000	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥9000	54.4	54.5	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥8000	54.8	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥7000	55.4	55.7	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥6000	56.5	56.5	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥5000	60.2	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥4500	63.4	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥4000	68.2	68.7	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥3500	71.1	71.6	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥3000	73.6	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥2500	83.3	83.7	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥2000	86.4	89.0	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥1800	90.8	90.8	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥1500	92.7	92.7	93.8	94.3	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥1200	94.2	94.2	95.3	96.0	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥1000	95.0	95.0	96.3	97.0	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥900	95.2	95.2	96.6	97.2	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥800	95.6	95.6	96.9	97.3	98.0	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥700	95.8	95.8	96.9	97.7	98.0	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥600	95.8	95.8	97.1	98.0	98.3	98.3	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥500	95.8	95.8	97.1	98.1	98.4	98.4	99.2	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥400	95.8	95.8	97.1	98.1	98.4	98.4	99.2	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥300	95.8	95.8	97.2	98.3	98.7	98.7	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥200	95.8	95.8	97.2	98.3	98.7	98.7	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥100	95.8	95.8	97.2	98.3	98.7	98.7	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥0	95.8	95.8	97.2	98.3	98.7	98.7	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 902

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22505 WHEELER AFB HI

66-70,73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 2000	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 14000	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 12000	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 10000	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 9000	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	65.2	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 7000	65.3	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 5000	68.9	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	72.6	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	75.9	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3000	82.7	84.0	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2500	84.3	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2000	88.7	90.8	91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	89.5	92.0	92.4	92.4	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	90.5	93.1	94.0	94.0	94.3	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	91.3	93.8	94.8	95.0	95.6	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	92.0	94.7	95.7	95.8	96.7	96.8	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	92.1	95.1	96.1	96.2	97.0	97.2	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	92.4	95.3	96.3	96.4	97.4	97.5	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	92.4	95.4	96.6	96.7	97.8	97.9	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	92.5	95.6	97.0	97.0	98.3	98.4	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	92.6	95.8	97.4	97.5	98.8	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	92.6	95.8	97.5	97.7	98.9	99.0	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	92.6	95.8	97.5	97.7	98.9	99.0	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	92.6	95.8	97.5	97.7	99.0	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	92.6	95.8	97.5	97.7	99.0	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	92.6	95.8	97.5	97.7	99.0	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

813

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

HEELER AFB HI

STATION NAME

68-70, 73-79

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5-16	≥4	≥0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 16000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 14000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 9000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 5000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	84.8	86.2	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000	91.0	92.7	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1800	93.2	94.9	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	93.6	95.8	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	94.1	96.3	96.7	96.9	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	94.1	96.3	96.7	96.9	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	94.3	96.5	96.5	97.1	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	94.3	96.7	97.1	97.4	98.2	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	94.3	96.7	97.1	97.4	98.2	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	94.3	96.7	97.4	97.6	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	94.3	96.7	97.4	97.6	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	94.3	96.7	97.4	97.6	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	94.3	96.7	97.4	97.6	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	94.3	96.7	97.4	97.6	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	94.3	96.7	97.4	97.6	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	94.3	96.7	97.4	97.6	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

455

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥3/8	≥1/2	≥5/16	≥1/4	≥0
NO CEILING	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	52.6	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 14000	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6
≥ 10000	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
≥ 8000	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 7000	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9
≥ 6000	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 5000	62.7	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4000	70.0	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3500	73.2	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	79.2	80.5	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1
≥ 2500	82.5	84.1	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2000	87.0	89.4	90.0	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6
≥ 1800	88.3	90.8	91.5	91.7	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	90.0	92.8	93.8	94.1	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	90.9	93.9	94.7	95.3	95.9	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	91.3	94.7	95.7	96.2	96.9	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 900	91.7	94.9	96.0	96.5	97.2	97.3	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	91.8	95.2	96.3	96.8	97.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.6	98.6
≥ 700	91.9	95.2	96.4	96.9	97.7	97.9	98.4	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.9	98.9
≥ 600	92.1	95.4	96.6	97.2	98.0	98.2	98.7	99.0	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3
≥ 500	92.1	95.5	96.8	97.3	98.2	98.4	99.0	99.2	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.6
≥ 400	92.2	95.6	96.9	97.5	98.4	98.6	99.2	99.4	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
≥ 300	92.2	95.6	96.9	97.5	98.5	98.6	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9
≥ 200	92.2	95.6	96.9	97.5	98.5	98.6	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9
≥ 100	92.2	95.6	96.9	97.5	98.5	98.7	99.3	99.5	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	92.2	95.6	96.9	97.5	98.5	98.7	99.3	99.5	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4863

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22500
STATION

WHEELER AFB HI
STATION NAME

73
YEARS

FEE
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 14000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 12000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 10000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 9000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 8000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING BRANCH
USAF ETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 20077 WHEELER AFB HI

68-70, 73-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-2800
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .2	≥ 0
NO CEILING	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	57.7	58.3	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	57.7	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000	57.8	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	58.7	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000	59.6	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	61.6	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	61.8	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	62.2	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 7000	62.3	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	62.5	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000	65.1	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	67.8	68.5	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	71.1	72.0	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3500	74.2	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	77.5	79.1	79.7	80.0	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500	80.4	82.4	83.0	83.4	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	86.2	88.5	89.4	89.7	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	98.9	91.3	92.2	92.8	93.5	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500	91.2	93.9	95.1	95.8	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 1200	91.5	94.6	95.7	96.6	98.1	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 1000	91.6	94.9	96.1	97.1	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 900	91.6	94.9	96.1	97.1	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 800	91.6	94.9	96.1	97.1	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 700	91.6	94.9	96.1	97.1	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 600	91.6	94.9	96.1	97.2	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 500	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	91.6	94.9	96.1	97.2	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 790

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22008
STATION

WHEELER AFB HI
STATION NAME

66-73, 73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 18000	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 16000	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 14000	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 8000	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 7000	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 6000	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 5000	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4500	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 4000	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 3500	73.2	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 3000	79.3	80.1	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2500	82.4	83.3	83.6	83.6	83.7	83.7	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 2000	86.4	90.1	90.5	90.9	91.4	91.4	91.7	91.8	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1
IV 1800	92.1	92.0	92.6	92.9	93.5	93.6	94.0	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	90.7	92.9	93.6	94.2	94.9	95.0	95.6	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	91.7	94.1	95.0	95.6	96.8	97.0	97.6	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	92.0	94.7	95.3	96.1	97.3	97.6	98.2	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	92.1	94.4	95.4	96.2	97.4	97.8	98.3	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	92.2	94.7	95.6	96.5	97.6	98.0	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	92.2	94.7	95.6	96.5	97.6	98.1	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	92.2	94.8	95.7	96.6	97.8	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	92.3	94.9	96.0	96.8	98.0	98.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22502
STATION

WHEELER AFB HI
STATION NAME

68-79,73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5
≥ 16000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9
≥ 14000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2
≥ 12000	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2
≥ 9000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8
≥ 8000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1
≥ 6000	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4500	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4000	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1
≥ 3500	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3000	77.7	78.0	78.1	78.1	78.4	78.4	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	81.1	81.6	81.7	81.7	81.9	81.9	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	87.0	88.1	88.3	88.3	88.9	88.9	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	99.7	91.1	91.6	91.7	92.3	92.3	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	91.4	93.0	94.0	94.3	95.3	95.3	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	92.2	93.9	95.0	95.5	96.7	96.8	97.4	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	92.3	94.0	95.4	95.9	97.2	97.3	98.0	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	92.7	94.3	95.7	96.3	97.6	97.8	98.5	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	92.7	94.4	95.9	96.5	97.8	97.9	98.7	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	92.7	94.4	95.9	96.5	97.8	97.9	98.7	99.2	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.7	94.6	96.0	96.6	97.9	98.0	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 346

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22500
STATION

WHEELER AFB MI
STATION NAME

68-70,73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1530-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥20000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥18000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 16000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥14000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 12000	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 10000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 9000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 8000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 7000	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 6000	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 5000	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 4500	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 4000	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 3500	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3000	80.4	81.1	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2500	85.1	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	89.9	90.9	91.4	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	92.1	93.1	93.8	94.3	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	93.3	94.4	95.7	96.3	96.6	96.8	96.9	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	93.5	94.8	96.2	96.8	97.2	97.5	97.8	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	93.5	94.9	96.4	97.0	97.5	97.9	98.1	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	93.5	95.0	96.6	97.2	97.6	98.0	98.2	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	93.5	95.0	96.6	97.2	97.6	98.0	98.2	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	93.5	95.0	96.6	97.2	97.6	98.0	98.2	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	93.6	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	93.6	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	93.6	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	93.6	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	93.6	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	93.6	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	93.6	95.1	96.7	97.4	98.1	98.5	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 845

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22500
STATION

HEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	54.9	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 16000	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	58.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000	59.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	61.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 9000	61.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 8000	62.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 7000	62.9	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 6000	62.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	63.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 4500	64.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4000	68.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3000	80.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500	83.2	85.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	87.8	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	89.8	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1500	91.4	95.0	96.4	96.4	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	91.4	95.4	96.8	96.8	96.9	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	91.8	95.9	97.3	97.3	97.4	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	91.8	95.9	97.4	97.4	97.6	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	91.9	96.0	97.6	97.6	97.7	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	92.0	96.1	97.7	97.7	97.8	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	92.0	96.1	97.7	97.8	97.9	98.7	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	92.0	96.1	97.7	97.8	97.9	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 776

DATA PROCESSING: SPARC
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20100
STATION

A-LELE AFB HI

STATION NAME

66-73,73-79

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.7	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .3	≥ .16	≥ .1	≥ 0
NO CEILING	56.5	56.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 20000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 12000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 8000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 6000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 5000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4500	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3500	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 2500	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 2000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 1800	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 1500	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 1200	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 1000	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 900	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 800	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 600	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 400	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 300	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 200	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 100	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 0	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1

TOTAL NUMBER OF OBSERVATIONS

441

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22576
STATION

WHEELER AFB HI

66-70, 73-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥20000	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 18000	52.4	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 15000	52.5	53.1	53.1	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 14000	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 12000	54.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9
IV 10000	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 9000	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 7000	57.5	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 6000	58.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000	60.7	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 4500	64.2	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4000	67.7	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 3500	72.8	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3000	79.3	80.2	80.6	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2500	82.4	83.8	84.1	84.2	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	87.8	89.7	90.2	90.4	90.6	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1800	90.0	92.3	92.9	93.2	93.7	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	91.6	94.1	95.1	95.6	96.2	96.4	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IV 1200	92.1	94.8	96.3	96.4	97.3	97.6	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	92.2	95.1	96.3	96.8	97.8	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
IV 900	92.3	95.2	96.4	97.0	97.9	98.3	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	92.4	95.3	96.5	97.1	98.0	98.4	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	92.4	95.3	96.5	97.1	98.2	98.5	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 600	92.4	95.4	96.6	97.3	98.3	98.6	99.2	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	92.5	95.4	96.7	97.3	98.3	98.7	99.3	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4550

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22578
STATION

WHEELER AFB HI
STATION NAME

73.78
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3830-0200
HOURS TEST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
≥ 20000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 18000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 16000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 14000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 12000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 10000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 9000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 8000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 7000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 6000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 5000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 4500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 4000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 3500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 3000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 2500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 2000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 1800					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 1500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 1200					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 1000					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 900					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 800					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 700					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 600					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 500					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 400					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 300					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 200					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 100					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
IV 0					50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

63,73,76
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-3500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.3	≥.16	≥.1	≥.0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2500	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2000	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1800	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1500	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1200	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1000	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 900	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 800	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4

DATA PROCESSING BRANCH
USAF ETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3630
STATION

WHEELER AFB HI

65-70, 73-79

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3630-0600
DATE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15
NO CEILING	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	52.1	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	52.4	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	54.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 10000	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 9000	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 7000	57.1	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 6000	57.8	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 5000	58.4	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 4500	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4000	65.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 3500	69.2	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000	73.4	75.6	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500	77.3	78.6	79.2	79.4	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000	84.1	87.3	88.9	89.4	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	85.6	89.8	91.0	91.6	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500	88.1	92.9	94.5	95.2	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	88.9	93.9	95.7	96.4	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	89.2	94.3	96.1	96.8	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	89.3	94.4	96.2	96.9	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	89.4	94.5	96.4	97.0	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	89.4	94.5	96.5	97.2	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	89.4	94.5	96.5	97.2	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	89.4	94.5	96.5	97.2	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	89.5	94.7	96.6	97.3	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 579

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22500
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	42.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	45.9	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 18000	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 16000	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 14000	47.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 12000	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 10000	49.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 9000	49.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 8000	50.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 7000	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 6000	51.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 5000	52.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 4500	56.5	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 4000	62.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 3500	65.6	70.2	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 3000	74.5	77.0	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500	79.2	81.6	82.0	82.2	82.2	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2000	86.8	89.7	90.2	90.3	90.4	90.5	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	98.2	91.2	92.3	92.5	92.7	92.9	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	98.9	92.5	94.1	94.5	95.3	95.5	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	99.8	93.7	95.5	96.0	97.0	97.2	98.4	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	99.9	93.8	95.6	96.1	97.1	97.3	98.5	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	90.1	94.0	95.9	96.5	97.4	97.6	98.8	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	90.2	94.1	96.0	96.6	97.5	97.7	98.9	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	90.2	94.1	96.2	96.8	97.7	98.0	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	90.2	94.1	96.2	96.8	97.7	98.0	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.2	94.1	96.2	96.8	97.7	98.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22503
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0
NO CEILING	39.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥20000	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥18000	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥16000	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥14000	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥12000	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥10000	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥9000	45.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥8000	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥7000	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥6000	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥5000	52.0	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥4500	58.4	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥4000	64.2	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥3500	70.1	70.9	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥3000	76.3	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥2500	81.9	83.1	83.9	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥2000	89.1	91.4	92.4	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥1800	91.5	94.0	94.9	95.0	95.3	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥1500	92.4	95.2	96.3	96.4	97.0	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥1200	92.7	95.8	97.3	97.4	98.0	98.2	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥1000	92.8	95.9	97.4	97.5	98.1	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4
≥900	93.0	96.1	97.7	97.8	98.4	98.7	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥800	93.0	96.1	97.7	97.8	98.4	98.7	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥700	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥600	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥500	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥400	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥300	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥200	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥100	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥0	93.0	96.1	98.0	98.1	98.6	98.9	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

27503
STATION

WHEELER AFB HI

STATION NAME

68-70, 73-79

YEARS

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS EST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 18000	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	46.2	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 14000	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 12000	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 10000	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 9000	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 7000	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 6000	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4500	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4000	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3500	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	82.3	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	86.4	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	91.4	92.7	92.9	93.0	93.2	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	93.5	95.2	95.4	95.5	95.7	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	95.5	97.5	97.7	97.8	98.3	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	95.7	97.8	98.1	98.2	98.6	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	95.7	97.8	98.1	98.2	98.6	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	95.7	97.8	98.1	98.2	98.6	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	95.8	98.0	98.3	98.4	98.8	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.8	98.0	98.4	98.6	99.0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHL : R AFB HI

STATION NAME

66-70,73-79

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	47.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1
≥ 18000	47.3	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3
≥ 16000	47.3	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3
≥ 14000	48.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1
≥ 12000	49.0	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	49.9	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9
≥ 9000	49.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.9	50.9	50.9	50.9	50.9	50.9
≥ 8000	50.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8
≥ 7000	50.8	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.9	51.9	51.9	51.9	51.9	51.9
≥ 6000	52.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	54.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 4500	59.3	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4000	63.6	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5
≥ 3500	69.5	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	76.6	79.2	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	79.9	82.7	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	87.3	91.1	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	90.0	94.2	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	92.5	96.9	97.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	92.6	97.3	98.0	99.0	99.2	99.4	99.4	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 1000	92.6	97.3	98.0	99.0	99.2	99.4	99.4	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 900	92.6	97.3	98.0	99.0	99.2	99.4	99.4	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 800	92.6	97.3	98.0	99.0	99.3	99.5	99.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 700	92.6	97.3	98.0	99.0	99.3	99.5	99.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 600	92.6	97.3	98.0	99.0	99.3	99.5	99.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 500	92.6	97.3	98.0	99.0	99.3	99.5	99.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400	92.6	97.3	98.0	99.0	99.3	99.5	99.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	92.6	97.3	98.0	99.0	99.3	99.5	99.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	92.6	97.3	98.0	99.0	99.3	99.5	99.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	92.6	97.3	98.0	99.0	99.3	99.5	99.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	92.6	97.3	98.0	99.0	99.3	99.5	99.5	99.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 880

DATA PROCESSING BRANCH
USAF ETAC
AF- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20000
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	47.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	49.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	49.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	49.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	49.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 12000	50.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 10000	51.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 9000	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	53.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 7000	53.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 6000	54.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	54.5	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 4500	59.1	61.8	61.8	61.8	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4000	62.3	65.4	65.4	65.4	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3500	66.5	70.2	70.2	70.6	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000	71.5	76.3	76.3	76.9	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 2500	75.3	80.1	80.1	80.7	81.1	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000	82.8	89.7	89.7	90.1	90.8	90.8	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	84.3	91.4	91.4	91.8	92.5	92.5	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	88.1	96.0	96.0	96.9	97.5	97.5	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	88.5	96.6	96.6	97.7	98.3	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 477

DATA PROCESSING BRANCH
USAF ETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22078
STATION

WHEELER AFB HI
STATION NAME

68-70, 73-79
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	43.4	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	46.9	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6
≥ 18000	47.2	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000	47.2	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	47.9	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
≥ 12000	48.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 10000	49.6	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4
≥ 9000	50.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 8000	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8
≥ 7000	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0
≥ 6000	52.4	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 5000	54.4	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4
≥ 4500	59.4	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8
≥ 4000	64.5	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 3500	69.9	71.4	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3000	76.2	78.2	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8
≥ 2500	80.1	82.5	82.8	83.0	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 2000	87.2	90.5	91.0	91.3	91.6	91.7	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	89.2	92.7	93.4	93.7	94.1	94.2	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	91.1	95.0	96.1	96.6	97.2	97.4	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	91.8	95.7	96.9	97.4	98.2	98.4	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2
≥ 1000	91.7	95.3	97.0	97.5	98.3	98.6	99.1	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 900	91.7	95.9	97.2	97.7	98.4	98.7	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 800	91.8	96.0	97.3	97.8	98.6	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	91.8	96.0	97.4	97.9	98.7	99.0	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
≥ 600	91.8	96.0	97.4	97.9	98.7	99.0	99.5	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	91.8	96.0	97.4	97.9	98.7	99.0	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400	91.8	96.0	97.4	97.9	98.7	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	91.8	96.0	97.4	97.9	98.7	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	91.8	96.0	97.4	97.9	98.7	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	91.8	96.0	97.4	97.9	98.7	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	91.8	96.0	97.4	97.9	98.7	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5030

DATA PROCESSING BRANCH
USAF ETAC
AFM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22510
STATION

WHEELER AFB HI
STATION NAME

78
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

27578
STATION

WHEELER AFB HI
STATION NAME

75.78
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LT)

CEILING -FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 18000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 16000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 14000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 12000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 10000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 9000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 8000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 7000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 6000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4500	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 9

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22110
STATION

WHEELER AFB HI

STATION NAME

66-70,73-79

YEARS

APP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0600
HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 18000	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 16000	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 14000	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 12000	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 10000	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 9000	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 8000	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 7000	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 6000	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 5000	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 4500	59.8	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 4000	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3500	69.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 3000	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 2500	75.7	77.2	77.2	77.2	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 2000	85.9	88.5	89.2	89.8	89.9	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	86.0	91.4	92.7	93.3	93.4	93.5	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1600	91.0	94.7	96.0	96.6	96.8	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1400	92.1	95.9	97.5	98.1	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	92.1	95.9	97.5	98.1	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	92.1	95.9	97.5	98.1	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	92.1	95.9	97.5	98.1	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	92.1	96.0	97.7	98.3	98.7	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	92.1	96.0	97.7	98.3	98.7	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	92.2	96.2	97.8	98.4	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	92.3	96.3	98.0	98.6	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	92.3	96.3	98.0	98.6	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	92.3	96.3	98.0	98.6	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	92.3	96.3	98.0	98.6	98.9	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	92.3	96.3	98.0	98.6	98.9	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.3	96.3	98.0	98.6	98.9	99.3	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 835

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB 41
STATION NAME

68-73,73-79
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0,00-1100
FOOT, FEET

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥20000	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥18000	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥16000	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥14000	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥12000	45.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥10000	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥9000	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥8000	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥7000	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥6000	49.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥5000	51.8	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥4500	57.9	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥4000	64.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥3500	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥3000	73.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥2500	77.4	79.4	80.0	80.1	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥2000	85.1	88.4	89.1	89.3	90.2	90.3	90.3	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥1800	88.3	91.9	92.3	92.8	93.7	93.8	93.8	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥1500	89.9	94.2	94.7	95.3	96.3	96.4	96.4	96.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥1200	90.8	95.7	96.4	97.0	98.1	98.2	98.2	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥1000	90.9	96.0	96.6	97.2	98.3	98.4	98.4	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥900	90.9	96.0	96.6	97.2	98.3	98.4	98.4	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥800	91.3	96.3	97.0	97.5	98.7	98.8	98.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥700	91.3	96.3	97.0	97.5	98.7	98.8	98.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥600	91.3	96.3	97.0	97.5	98.7	98.8	98.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	91.3	96.3	97.0	97.5	98.7	98.8	98.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥400	91.3	96.3	97.0	97.5	98.7	98.8	98.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300	91.3	96.3	97.0	97.5	98.7	98.8	98.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥200	91.3	96.3	97.0	97.5	98.7	98.8	98.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥100	91.3	96.3	97.0	97.5	98.7	98.8	98.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥0	91.3	96.3	97.0	97.5	98.7	98.8	98.8	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 894

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MSC

CEILING VERSUS VISIBILITY

26515
STATION

WHEELER AFB MI
STATION NAME

66-70,73-79
YEARS

APP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	35.3	35.3	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥20000	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥18000	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 16000	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥14000	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 12000	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥10000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 9000	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥8000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 7000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥6000	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 5000	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥5000	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 4000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥4500	55.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 4000	62.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥3500	68.4	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 3000	73.1	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥2500	79.2	81.4	81.4	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 2000	89.9	92.9	93.5	93.8	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥1800	92.2	95.9	96.4	96.8	97.0	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1500	93.1	97.1	97.5	98.0	98.5	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1200	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥900	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥700	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥500	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥100	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	93.3	97.3	97.9	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 893

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22103
STATION

WHEELER AFB HI

STATION NAME

63-70,73-79

YEARS

APP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 20000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 18000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 16000	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 14000	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 12000	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 10000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 9000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 8000	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 7000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 6000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 5000	52.9	52.9	53.1	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 4500	52.8	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4000	64.3	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 3500	69.4	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 3000	76.6	77.2	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2500	82.1	83.1	83.6	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	94.1	96.0	96.4	96.5	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1800	95.0	97.1	97.5	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	95.5	98.2	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.6	98.3	99.2	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.7	98.4	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

894

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WHEELER AFB HI

66-70, 73-79

APF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1530-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≤ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	40.6	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IN 18000	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IN 16000	44.5	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IN 14000	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IN 12000	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IN 10000	49.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IN 9000	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IN 8000	50.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IN 7000	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IN 6000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IN 5000	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4500	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IN 4000	62.5	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IN 3500	67.1	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IN 3000	75.2	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IN 2500	77.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IN 2000	89.4	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IN 1800	91.2	94.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IN 1500	93.1	97.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IN 1200	93.3	97.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IN 1000	93.4	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 900	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 800	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 700	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 600	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 500	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 400	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 300	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 200	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 100	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 0	93.7	98.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

830

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WHEELER AFB HI

68-73,73-79

APC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	42.3	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥20000	44.7	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥18000	45.2	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥16000	45.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥14000	46.5	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥12000	48.1	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥10000	48.9	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥9000	49.3	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥8000	49.5	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥7000	49.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥6000	49.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥5000	50.7	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥4500	53.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥4000	57.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥3500	64.3	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥3000	69.3	74.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥2500	72.1	78.3	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥2000	74.3	83.6	91.7	92.3	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥1800	85.8	93.6	94.7	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥1500	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1200	88.8	98.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1000	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥900	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥800	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥700	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥600	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥500	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥400	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥300	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥200	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥100	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥0	88.8	96.3	98.3	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 456

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERV CE/MAC

CEILING VERSUS VISIBILITY

22918
STATION

WHEELER AFB HI

STATION NAME

68-70.77 79

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 20000	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 18000	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 16000	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 14000	45.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 12000	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 10000	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 9000	48.6	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 7000	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 6000	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 5000	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4500	57.4	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4000	63.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 3500	68.4	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	73.9	75.6	76.0	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2500	77.9	80.2	80.6	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2000	86.4	91.7	92.3	92.6	92.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	90.7	94.3	95.0	95.3	95.6	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	92.2	96.3	97.3	97.7	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	92.4	96.9	97.9	98.4	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	92.7	97.0	98.0	98.4	99.0	99.1	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	92.7	97.1	98.1	98.5	99.1	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	92.8	97.1	98.2	98.6	99.2	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	92.8	97.1	98.2	98.6	99.2	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	92.8	97.2	98.3	98.7	99.3	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	92.9	97.2	98.3	98.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 4817

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

73,76
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 20000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 18000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 16000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 14000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 12000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 10000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 9000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 8000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 7000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 6000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 5000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 4500	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 4000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 3500	25.0	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3000	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	50.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22500
STATION

WHEELER AFB HI
STATION NAME

66-70,73-79

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 12000	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 8000	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 7000	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 5000	64.1	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4500	68.1	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4000	73.6	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	77.2	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	81.4	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	84.7	85.9	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2000	91.5	93.3	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	93.2	95.4	96.5	96.6	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	93.9	96.6	97.8	97.9	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	94.3	97.0	98.4	98.5	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	94.4	97.1	98.5	98.6	98.9	99.1	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9
≥ 200	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0	94.5	97.2	98.6	98.7	99.1	99.3	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 656

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22108
STATION

WHEELER AFB HI
STATION NAME

66-70,73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS UST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 16000	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 14000	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 12000	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 9000	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4000	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	78.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3000	83.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2500	89.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	93.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	95.2	98.5	98.7	98.7	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 900	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 800	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 700	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 600	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8
≥ 500	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 400	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 300	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 200	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	95.4	98.8	99.0	99.0	99.2	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 926

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22502
STATION

AFLELER AFB HI
STATION NAME

68-70,73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 20000	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 18000	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 16000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 14000	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 12000	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 10000	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 9000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 8000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 7000	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 6000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 5000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 4500	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 4000	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 3500	71.2	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	79.8	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 2500	89.2	89.2	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	94.0	95.9	96.3	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1800	94.8	97.1	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	95.3	96.1	98.7	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	95.3	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	95.3	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	95.3	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	95.3	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7
IV 700	95.3	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7
IV 600	95.3	98.1	98.7	99.0	99.2	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 500	95.3	98.1	98.7	99.0	99.4	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	95.3	98.1	98.7	99.0	99.4	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	95.3	98.1	98.7	99.0	99.4	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	95.3	98.1	98.7	99.0	99.4	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	95.3	98.1	98.7	99.0	99.4	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	95.3	98.1	98.7	99.0	99.4	99.4	99.4	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

928

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB HI
STATION NAME

65-70,73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 18000	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 16000	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 14000	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 12000	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 10000	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 9000	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 8000	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 7000	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 6000	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 5000	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4500	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 4000	66.9	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	70.8	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3000	79.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 2500	86.1	87.6	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	93.2	95.5	95.7	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	94.3	96.1	97.2	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	94.9	97.1	98.2	98.5	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	95.1	97.2	98.5	98.8	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	95.1	97.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	95.1	97.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	95.1	97.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	95.1	97.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.1	97.3	98.6	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

225.0
STATION

WHEELER AFB HI
STATION NAME

68-75,73-79
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2600
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	42.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	48.6	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	48.9	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000	48.9	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	49.8	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 10000	52.2	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	52.4	52.5	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 8000	53.3	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	53.3	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 6000	53.7	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 5000	55.3	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500	60.5	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4000	68.7	68.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3500	71.5	72.5	73.1	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3000	79.3	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	83.3	84.7	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	91.1	93.1	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	93.5	95.6	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	94.4	96.7	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 900	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
≥ 800	94.7	97.0	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.2	99.2	99.2	99.2
≥ 700	94.7	97.0	98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3
≥ 600	94.7	97.2	98.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5
≥ 500	94.7	97.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 400	94.7	97.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	94.7	97.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0
≥ 200	94.7	97.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	94.7	97.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	94.7	97.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 845

DATA PROCESSING BRANCH
UAF ETAC
A. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WHEELER AFB MI

65-73,73-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	49.4	49.4	50.1	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	51.1	51.5	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 18000	51.1	51.5	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 16000	51.1	51.5	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 14000	52.1	52.6	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 12000	53.0	53.4	53.8	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 10000	54.1	54.5	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 9000	54.1	55.1	55.6	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 8000	56.1	56.4	56.8	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 7000	56.0	56.4	56.8	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 6000	56.0	56.4	56.8	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 5000	57.1	57.7	58.1	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 4500	61.1	62.2	62.6	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 4000	66.9	67.5	68.2	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 3500	72.0	73.5	74.1	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3000	76.1	76.2	76.8	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2500	80.6	83.1	84.0	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	88.7	92.8	93.8	94.4	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1800	90.8	94.7	95.9	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1500	91.9	95.9	97.2	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200	92.3	96.6	97.9	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	92.3	96.6	97.9	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	92.3	96.6	97.9	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	92.3	96.6	97.9	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	92.3	96.6	97.9	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	92.3	96.6	97.9	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	92.3	96.6	98.1	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	92.3	96.6	98.1	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	92.3	97.0	98.3	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	92.3	97.0	98.3	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
IV 100	92.3	97.0	98.3	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
IV 0	92.3	97.0	98.3	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 458

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

27510
STATION

WHEELER AFB MI
STATION NAME

65-7C, 73-70
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	49.6	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 18000	49.4	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	49.4	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 12000	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	52.3	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 9000	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 8000	53.5	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 7000	54.0	54.1	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 6000	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 5000	56.6	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 4500	62.7	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4000	69.4	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	73.5	74.5	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3000	80.2	81.5	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	85.8	87.3	87.7	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	92.4	94.7	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	93.5	96.4	97.3	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	94.5	97.3	98.3	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	94.7	97.5	98.6	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	94.7	97.6	98.6	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 900	94.7	97.6	98.6	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 800	94.7	97.6	98.6	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 700	94.7	97.6	98.6	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 600	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 500	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 400	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 300	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 200	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 100	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 0	94.7	97.6	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 4957

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

02878
STATION

WHEELER AFB HI
STATION NAME

69,73-74
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 12000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4500	57.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4000	57.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3500	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800	71.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1500	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	85.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22518

WHEELER AFB HI

68-70, 73-79

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	43.2	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 18000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 12000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 10000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 9000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 8000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 7000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 6000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 5000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 4500	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 4000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 3500	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 3000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 2500	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 2000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 1800	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 1500	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 1200	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 1000	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 900	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 800	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 700	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 600	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 500	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 400	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 300	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 200	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 100	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
0	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6

TOTAL NUMBER OF OBSERVATIONS

336

DATA PROCESSING SECTION
 USAF ETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22-00 WHEELER AFB HI 06-70,73-79 JUN 1970

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2930-1100
 2005-15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 18000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 16000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 14000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 12000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 10000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 8000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 7000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 6000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 5000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 4500	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 4000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 3500	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 3000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 2500	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 2000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 1800	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 1500	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 1200	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 1000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 900	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 800	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 700	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 600	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 500	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 400	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 300	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 200	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 100	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5

TOTAL NUMBER OF OBSERVATIONS 996

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WHEELER AFB HI

68-73,73-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 20000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 16000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 14000	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 12000	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 10000	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 9000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 8000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 7000	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 6000	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 5000	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 4500	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 4000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 3500	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 2500	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1600	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

897

USAF ETAC FORM 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22100 WHEELER AFB NE

66-70,73-79

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	46.3	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 18000	46.7	46.9	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 16000	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 14000	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 12000	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 10000	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 9000	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 8000	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 7000	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 6000	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 5000	54.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4000	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	96.4	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	97.3	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	97.2	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	97.3	98.4	98.8	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.4	98.8	99.1	99.4	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896

CEILING VERSUS VISIBILITY

JUN

1800-2000

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

63-70,73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	45.1	47.8	47.8	47.8	42.2	43.2	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	42.2
≥ 20000	48.2	51.1	51.1	51.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	48.2	51.1	51.1	51.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	48.2	51.1	51.1	51.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	46.4	51.3	51.3	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	48.9	51.8	51.8	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 10000	49.1	52.0	52.0	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 9000	50.2	53.1	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	50.2	53.1	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 7000	50.2	53.1	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	50.2	53.1	53.1	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 5000	51.1	54.0	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4500	54.5	57.4	57.6	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	61.7	65.7	65.9	65.9	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3500	64.8	68.8	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3000	72.2	78.0	78.3	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	76.7	82.5	82.7	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 2000	86.5	93.7	94.6	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	88.3	95.7	96.6	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	89.7	97.5	98.4	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	89.7	97.8	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 446

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22503
STATION

WHEELER AFB HI
STATION NAME

68-73, 73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	41.1	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	46.5	46.9	46.9	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	46.9	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 16000	47.0	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 14000	47.2	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	47.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 10000	48.8	49.2	49.2	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 9000	49.1	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 8000	49.6	50.0	50.0	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 7000	50.0	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 6000	50.5	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 5000	53.1	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 4500	59.8	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 4000	66.8	67.5	67.6	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 3500	71.5	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3000	78.7	80.0	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 2500	84.1	85.5	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	92.7	94.5	95.2	95.6	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	93.9	96.3	96.8	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	94.7	97.6	98.2	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	94.8	97.9	98.6	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.9	98.0	98.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4601

DATA PROCESSING BRANCH
USAF ETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

75,78
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15
NO CEILING	22.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 20000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 18000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 16000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 14000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 12000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 10000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 9000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 8000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 7000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 6000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 5000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 4500	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 4000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 3500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7

DATA PROCESSING BRANCH
USAF ETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22501
STATION

WHEELER AFB HI
STATION NAME

74,76-75
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

C300-C500
HOURS 1-17

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 12000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4500	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

22576
STATION

WHEELER AFB HI
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-3800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 10000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 8000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4500	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3500	76.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3000	81.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	84.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	90.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	92.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	93.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 100	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 0	93.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 854

DATA PROCESSING BRANCH
USAF ETAC
ALT WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

20508
STATION

AFCELES AFB HI
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 26000	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 18000	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 16000	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 14000	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 12000	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 7000	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 6000	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 5000	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 4500	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4000	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500	77.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	82.8	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2500	86.6	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	91.9	94.3	94.7	94.9	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	94.1	97.0	97.4	97.6	97.7	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	94.4	97.6	98.3	98.6	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	94.6	97.8	98.5	99.0	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	94.6	97.8	98.5	99.0	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	94.6	97.8	98.5	99.0	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.7	98.0	98.6	99.1	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22016
STATION

WHEELER AFB HI
STATION NAME

66-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS - LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	49.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 18000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 10000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 7000	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 6000	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 5000	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 4500	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	85.5	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	90.8	91.8	91.8	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	96.5	97.9	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	97.3	98.8	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	97.4	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	97.4	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	97.4	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	97.4	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	97.4	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	97.4	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 925

DATA PROCESSING BRANCH
USAF ETAC
AF- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

PEELER AFB HI
STATION NAME

68-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	51.4	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	54.2	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 18000	54.3	54.3	54.3	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 16000	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 12000	56.1	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	57.0	57.2	57.2	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	57.2	57.3	57.3	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 8000	57.7	57.8	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	58.7	58.8	58.8	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	59.7	59.8	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 5000	61.6	61.7	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4500	68.1	68.1	68.1	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	75.3	75.5	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3500	79.3	79.6	79.6	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	85.9	86.2	86.3	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	90.0	91.4	91.6	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	95.4	97.2	97.5	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	96.4	98.4	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	96.7	98.7	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.0	98.9	99.3	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 922

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22514
STATION

WHEELER AFB HI
STATION NAME

58-70,73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-2600
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥0
NO CEILING	54.7	55.0	55.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 18000	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 16000	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 14000	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 12000	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 10000	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 9000	59.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 8000	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 7000	60.8	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 6000	61.3	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 5000	62.3	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4500	66.3	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 4000	72.2	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	76.1	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	83.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	86.3	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	92.4	95.4	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1800	94.3	97.3	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.0	98.8	99.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 827

DATA PROCESSING BRANCH
USAF ETAC
AFW AFATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2.008

WHEELER AFB HI

58-70,73-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	54.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	54.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	54.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 6000	54.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4000	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 2000	55.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 1000	55.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 900	55.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 800	55.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 700	56.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 6000	56.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	58.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	60.0	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4000	64.7	68.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	67.8	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3000	75.8	80.4	80.8	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2500	77.0	83.4	83.9	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	85.7	93.8	94.3	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	86.5	95.6	95.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.9	97.1	97.8	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

453

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12014
STATION

WHEELER AFB 42

66-73,73-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	51.2	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	52.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 18000	53.3	54.2	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	53.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 12000	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 10000	56.1	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000	56.8	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 6000	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 5000	59.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4500	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4000	71.9	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 3500	75.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000	83.4	84.7	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	86.8	88.8	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	92.1	95.3	95.8	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	94.2	97.4	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	94.3	98.2	98.7	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	94.9	98.4	98.9	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	94.9	98.4	98.9	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	94.9	98.4	98.9	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	94.9	98.4	98.9	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.9	98.4	98.9	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.9	98.4	98.9	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.9	98.4	98.9	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.9	98.4	98.9	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.9	98.4	98.9	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.9	98.4	98.9	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.9	98.4	98.9	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4923

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22512
STATION

WHEELER AFB HI

STATION NAME

67,74,77-78

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 20000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 18000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 16000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 14000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 12000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 10000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 9000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 8000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 7000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 4500	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 4000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 3500	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 3000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 2500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 10

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	54.2	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	58.0	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	56.2	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	59.8	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	61.1	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	61.2	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 8000	61.8	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 7000	61.9	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	62.2	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	64.7	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	68.8	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4000	74.2	74.6	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	78.2	78.7	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	81.8	82.4	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 2500	83.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	91.4	93.3	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	93.2	95.2	95.9	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	94.7	97.2	98.1	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 1200	95.0	97.7	98.6	99.1	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 1000	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 900	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 800	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 700	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 600	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 500	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	95.0	97.7	98.7	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 879

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22503
STATION

WHEELER AFB HI
STATION NAME

67-73,73-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0906-1100
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	47.7	47.8	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	53.9	54.0	54.2	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 16000	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	54.9	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 10000	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 9000	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000	56.3	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 7000	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 6000	58.0	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 5000	61.3	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 4500	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 4000	72.4	72.6	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3500	75.9	76.5	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	80.4	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2500	86.0	87.1	87.3	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2000	93.6	94.6	95.1	95.2	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	94.9	96.3	96.6	96.7	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	96.0	97.5	98.0	98.1	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	96.0	97.6	98.2	98.3	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	96.0	97.6	98.2	98.3	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	96.0	97.6	98.2	98.3	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	96.0	97.6	98.2	98.3	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	96.0	97.6	98.3	98.5	99.1	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.0	97.6	98.3	98.5	99.1	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.0	97.6	98.3	98.5	99.1	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	96.0	97.6	98.3	98.5	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.0	97.6	98.3	98.5	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.0	97.6	98.3	98.5	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.0	97.6	98.3	98.5	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.0	97.6	98.3	98.5	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22308
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5:16	≥.	≥0
NO CEILING	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 16000	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 14000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 10000	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 9000	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 8000	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 7000	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 6000	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 5000	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4500	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	79.8	80.0	80.0	80.1	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 3000	83.5	84.1	84.1	84.3	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2500	90.6	91.5	91.5	91.7	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	95.9	97.1	97.1	97.4	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	97.0	98.4	98.4	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	97.1	98.5	98.5	98.8	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	97.2	98.6	98.6	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.2	98.6	98.6	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	97.3	98.7	98.7	98.9	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.3	98.7	98.7	98.9	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.3	98.7	98.7	98.9	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.3	98.7	98.7	98.9	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.3	98.7	98.7	98.9	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	97.3	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.3	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.3	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.3	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.3	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 530

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22532
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-75
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥ 20000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
IV 18000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
IV 16000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
IV 14000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0
IV 12000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
IV 10000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7
IV 9000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7
IV 8000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.9
IV 7000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	65.0
IV 6000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1
IV 5000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
IV 4500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
IV 4000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7
IV 3500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
IV 3000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5
IV 2500	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.3
IV 2000	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
IV 1800	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4
IV 1500	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7
IV 1200	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9
IV 1000	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9
IV 900	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9
IV 800	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9
IV 700	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9
IV 600	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9
IV 500	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
IV 400	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
IV 300	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
IV 200	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
IV 100	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
IV 0	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH
USAF ETAC
47. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 18000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 16000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 14000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 12000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 10000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 9000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 8000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 7000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 6000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4500	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 4000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 3500	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	95.2	96.2	96.2	96.4	95.5	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1800	97.4	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	98.1	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 850

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22002
STATION

WHEELER AFB HI

STATION NAME

67-70,73-78

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NC CEILING	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 18000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 16000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 14000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 12000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 9000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 8000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 6000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 5000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4500	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 4000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 3500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2500	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 200	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

489

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22502
STATION

WHEELER AFB HI

STATION NAME

67-73,73-78

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.16	≥.0
NO CEILING	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 20000	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0
IV ≥ 18000	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV ≥ 16000	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV ≥ 14000	59.7	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV ≥ 12000	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV ≥ 10000	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV ≥ 9000	61.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV ≥ 8000	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV ≥ 7000	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV ≥ 6000	62.9	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV ≥ 5000	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4
IV ≥ 4500	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV ≥ 4000	74.4	74.5	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV ≥ 3500	78.4	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
IV ≥ 3000	83.4	84.0	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV ≥ 2500	88.0	88.9	89.0	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV ≥ 2000	94.7	95.8	96.0	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6
IV ≥ 1800	96.1	97.4	97.5	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV ≥ 1500	96.5	98.3	98.5	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV ≥ 1200	97.1	98.6	98.9	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV ≥ 1000	97.1	98.6	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV ≥ 900	97.1	98.6	99.0	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV ≥ 800	97.1	98.6	99.0	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV ≥ 700	97.1	98.6	99.0	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV ≥ 600	97.1	98.6	99.0	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV ≥ 500	97.1	98.6	99.0	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV ≥ 400	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV ≥ 300	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV ≥ 200	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV ≥ 100	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV ≥ 0	97.1	98.6	99.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5017

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22006
STATION

WHEELER AFB MI
STATION NAME

73,76
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 14000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 12000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 10000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 9000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 8000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

6

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22078
STATION

AHEELER AFB HI
STATION NAME

75-76
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

22876
STATION

WHEELER AFB HI
STATION NAME

67-72, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0600
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.01	≥0
NO CEILING	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 20000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 18000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 16000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 14000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 9000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 7000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 6000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4500	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 842

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22106
STATION

WHEELER AFB HI

STATION NAME

67-70, 73-78

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3980-1180
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 18000	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 16000	62.6	63.1	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 14000	63.1	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	63.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 10000	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 9000	65.0	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 8000	65.4	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 7000	66.5	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 6000	67.4	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 5000	70.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 4500	75.1	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 4000	79.4	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3500	81.4	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3000	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2500	89.3	90.1	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	95.1	96.3	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1800	96.3	97.8	98.2	98.3	98.3	98.3	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	96.6	98.4	98.9	99.0	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	96.9	98.8	99.2	99.3	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.9	98.9	99.3	99.4	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20505
STATION

WHEELER AFB HI

STATION NAME

67-70,73-78

PERIOD

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 25000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 18000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 16000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 14000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 12000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 10000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 7000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 6000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 5000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 4500	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 4000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3500	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 3000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2500	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 2000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 700	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 600	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 400	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 300	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 200	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 100	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS

898

USAF ETAC

FORM
44-44

0-14-5 (GL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15000 WHEELER AFB HI

67-70,73-75

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5
≥20000	59.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1
≥18000	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
IV 16000	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0
IV 14000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
IV 12000	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2
IV 10000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
IV 9000	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8
IV 8000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 7000	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0
IV 6000	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6
IV 5000	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
IV 4500	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9
IV 4000	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6
IV 3500	80.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
IV 3000	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	86.7	86.7	86.7	86.7	86.7	86.7
IV 2500	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2000	95.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	96.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6
IV 1600	96.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1
IV 1400	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 00	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	96.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

899

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.01	≥ 0
NO CEILING	63.6	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	58.4	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 18000	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 14000	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 9000	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 8000	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 5000	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4500	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4000	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	87.7	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	89.8	91.3	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	95.4	97.2	97.6	97.6	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	96.2	96.4	98.9	98.9	98.9	99.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	96.2	98.7	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.4	99.2	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 824

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22576 WHEELER AFB HI

67-70, 73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 20000	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 18000	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 16000	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000	66.5	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 12000	67.2	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 10000	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 9000	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 8000	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	68.5	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 6000	69.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	77.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	80.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 3000	82.8	84.3	84.5	84.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2500	85.6	87.1	87.3	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	93.1	95.1	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	95.3	97.2	97.4	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	96.4	98.5	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.8	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 466

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAF

CEILING VERSUS VISIBILITY

22573 WHEELER AFB HI

67-70, 73-78

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥10	≥1	≥0
NO CEILING	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 20000	63.0	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000	63.7	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 14000	64.6	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 12000	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 10000	65.8	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000	66.4	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 6000	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	70.3	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4000	79.4	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	82.0	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	85.7	86.7	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	89.0	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	95.2	96.5	97.0	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	96.3	98.0	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	96.6	98.6	99.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	96.9	98.9	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	96.9	98.9	99.4	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 900	96.9	98.9	99.4	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	96.9	99.0	99.4	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	96.9	99.0	99.4	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.9	99.0	99.5	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4636

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB HI

STATION NAME

73-74

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ ¼	≥ 0
NO CEILING ≥ 20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING BRANCH
USAF ETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22536
STATION

WHEELER AFB HI

STATION NAME

67-70, 73-78

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 20000	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 18000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 16000	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 14000	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 12000	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 10000	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 8000	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 7000	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 5000	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4500	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4000	84.2	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	87.0	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3000	89.1	89.3	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	89.8	90.0	90.2	90.4	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	94.5	94.9	95.3	95.5	95.6	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 1800	95.3	96.1	96.5	96.5	96.9	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 1500	95.4	96.1	96.8	97.0	97.1	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
≥ 1200	95.7	96.4	97.1	97.3	97.5	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5
≥ 1000	95.7	96.4	97.1	97.3	97.6	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥ 900	95.7	96.4	97.1	97.3	97.6	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥ 800	95.8	96.5	97.3	97.6	97.6	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 700	95.8	96.5	97.3	97.6	97.8	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 600	95.8	96.5	97.3	97.7	97.9	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 500	95.8	96.5	97.3	97.8	98.0	98.5	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 400	95.8	96.5	97.3	97.8	98.2	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
≥ 300	95.8	96.7	97.5	97.9	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	95.8	96.7	97.5	97.9	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	95.8	96.7	97.5	97.9	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	95.8	96.7	97.5	97.9	98.4	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 866

DATA PROCESSING BRANCH
USAF ETAC
45- WEATHER SERVICE/44C

CEILING VERSUS VISIBILITY

22170
STATION

WHEELER AFB HI
STATION NAME

67-70,73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3900-1100
HOURS (EST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 9000	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 8000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 6000	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 5000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3500	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22502
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 20000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 18000	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 16000	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000	58.0	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	58.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	59.0	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 6000	59.9	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 5000	61.7	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4500	67.4	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 4000	72.9	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3500	77.7	78.4	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	80.9	81.7	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500	87.5	88.6	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000	93.1	94.4	94.9	95.3	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.9	95.9	95.9
≥ 1800	94.1	95.4	96.0	96.3	96.3	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0
≥ 1500	94.9	96.3	97.0	97.5	97.5	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.2
≥ 1200	95.3	96.6	97.2	97.7	97.7	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4
≥ 1000	95.3	96.8	97.5	98.1	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
≥ 900	95.5	97.1	97.7	98.3	98.3	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1
≥ 800	95.5	97.1	97.7	98.3	98.4	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2
≥ 700	95.5	97.0	97.7	98.3	98.4	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
≥ 600	95.5	97.0	97.7	98.3	98.4	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5
≥ 500	95.5	97.0	97.7	98.3	98.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6
≥ 400	95.5	97.0	97.7	98.3	98.4	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6
≥ 300	95.5	97.0	97.7	98.4	98.5	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8
≥ 200	95.5	97.0	97.7	98.4	98.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100	95.5	97.0	97.7	98.4	98.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0	95.5	97.0	97.7	98.4	98.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22576
STATION

WHEELER AFB HI
STATION NAME

67-73, 73-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 18000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 16000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 14000	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 12000	56.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 10000	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 9000	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 8000	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 7000	61.9	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 6000	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 5000	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4500	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4000	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3500	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3000	82.0	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1800	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 500	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 400	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 300	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 200	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 100	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22505
STATION

WHEELER AFB MI
STATION NAME

67-70,75-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1830-2000
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥.005	≥.001
NO CEILING	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	62.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 18000	62.1	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	62.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	65.5	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 10000	66.8	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	67.1	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	67.4	67.4	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 6000	68.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	70.4	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	72.2	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4000	75.7	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	79.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	85.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500	88.2	90.0	90.4	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	92.5	94.9	95.5	95.5	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	93.8	96.5	97.1	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	93.6	96.5	97.1	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	93.9	96.9	97.5	97.6	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	93.9	96.9	97.5	97.6	98.0	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	93.9	96.9	97.7	97.8	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	94.0	97.0	97.8	98.1	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	94.0	97.0	97.8	98.1	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	94.0	97.0	98.0	98.2	98.8	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	94.1	97.1	98.1	98.3	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	94.1	97.1	98.1	98.3	99.0	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	94.1	97.1	98.1	98.3	99.0	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	94.1	97.1	98.2	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.1	97.1	98.2	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.1	97.1	98.2	98.4	99.2	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 831

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22804
STATION

WHEELER AFB HI

STATION NAME

67-70,73-78

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	67.5	68.2	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 20000	69.7	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 18000	69.7	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 16000	69.7	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 14000	71.9	72.5	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 12000	71.9	72.5	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	73.4	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	73.4	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 8000	73.9	74.5	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 7000	74.3	74.9	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 6000	74.3	74.9	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 5000	75.2	75.8	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4500	76.3	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	79.1	80.2	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	80.6	81.9	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3000	85.0	86.7	86.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2500	88.0	89.8	89.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 2000	92.6	94.8	95.2	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800	92.6	95.0	95.8	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	93.5	95.9	96.7	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1200	93.5	95.9	96.7	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	93.5	95.9	96.7	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	93.9	96.3	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	93.9	96.3	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	94.3	96.9	97.8	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	94.3	96.9	97.8	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	95.2	97.8	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	95.2	97.8	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	95.2	97.8	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	95.2	97.8	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	95.2	97.8	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	95.2	97.8	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

459

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

235.6
STATION

WHEELER AFB MI

67-70,73-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
LOCAL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 20000	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 18000	61.3	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	61.6	61.7	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 14000	62.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 12000	64.4	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000	65.7	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 8000	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	67.2	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 5000	69.2	69.5	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	72.5	73.3	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4000	77.2	77.7	77.8	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3500	81.1	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 3000	84.9	85.7	85.9	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2500	88.0	89.4	89.8	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2000	93.6	94.8	95.5	95.6	95.7	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3
IV 1800	94.8	96.0	96.5	96.8	97.0	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
IV 1500	94.9	96.5	97.2	97.5	97.7	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 1200	95.1	96.7	97.4	97.8	98.0	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
IV 1000	95.2	96.8	97.5	97.9	98.1	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
IV 900	95.3	96.9	97.6	98.0	98.2	98.5	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 800	95.3	96.9	97.7	98.1	98.4	98.6	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3
IV 700	95.3	97.0	97.7	98.2	98.4	98.7	98.9	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.5
IV 600	95.3	97.0	97.8	98.2	98.5	98.8	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 500	95.4	97.1	97.9	98.3	98.6	98.9	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7
IV 400	95.4	97.1	97.9	98.4	98.7	98.9	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	95.4	97.2	97.9	98.4	98.7	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 200	95.4	97.2	97.9	98.4	98.8	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	95.4	97.2	97.9	98.4	98.8	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	95.4	97.2	97.9	98.4	98.8	99.1	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4549

DATA PROCESSING BRANCH
AF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22503 WHEELER AFB HI

74,76

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
LOCAL TS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 8000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 7000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 6000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 5000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 4500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 4000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 3000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 2500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 2000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1800	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1200	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 900	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 800	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 700	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4

DATA PROCESSING BRANCH
USAF ETAC
AT WEATHER SERVICE/42C

CEILING VERSUS VISIBILITY

20000
STATION

WHEELER AFB HI

73-76,78

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥70000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥6000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥4000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥2000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥1000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥800	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥7000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥6000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥4000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥3000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥2500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥2000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥1800	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥1500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥1200	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥1000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥900	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥800	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥700	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥600	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥400	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥300	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥200	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥100	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

02504 AMSELER AFB HI

67-70, 73-76

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥7000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥18000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥16000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥14000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥12000	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥10000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥9000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥8000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥7000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥6000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥5000	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥4500	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥4000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥3500	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥3000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥2500	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥2000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥1800	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥1500	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥1200	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥1000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥900	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥800	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥700	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥600	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥500	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥400	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥300	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥200	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥100	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0

TOTAL NUMBER OF OBSERVATIONS 830

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

225.0
STATION

WHEELER AFB HI

67-7C, 73-78

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 20000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 18000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 16000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 14000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 12000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 9000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 8000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 7000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 6000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 5000	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4500	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	77.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3000	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	84.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	89.8	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800	91.8	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	92.4	94.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	92.8	95.3	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	92.8	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 900	92.8	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 800	92.8	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	92.8	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 600	92.8	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	92.8	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	93.0	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 300	93.0	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	93.0	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 100	93.0	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 0	93.0	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 885

DATA PROCESSING BRANCH
USAF ETAC
ALM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI

STATION NAME

67-70, 73-78

PERIOD

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	44.5	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	50.9	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 18000	51.1	51.1	51.1	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 16000	51.1	51.2	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 14000	51.9	52.0	52.0	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	52.8	52.9	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	54.5	54.6	54.6	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 9000	55.4	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 8000	56.1	56.3	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 7000	56.5	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	57.7	57.9	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 5000	60.2	60.6	60.6	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 4500	66.1	66.5	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4000	70.7	71.2	71.4	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	74.3	75.1	75.4	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	78.4	79.8	80.1	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	83.3	85.1	85.6	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2000	89.8	92.0	92.7	93.1	93.3	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800	91.4	93.8	94.6	95.0	95.3	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	92.3	94.9	95.9	96.4	96.6	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	92.8	95.6	96.8	97.4	97.6	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	92.9	95.7	97.1	97.7	98.1	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	92.9	95.7	97.1	97.7	98.1	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	92.9	95.7	97.1	97.9	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	92.9	95.7	97.2	98.0	98.4	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	92.9	95.7	97.2	98.0	98.4	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 500	93.0	95.8	97.3	98.1	98.5	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.7	99.7	99.8
≥ 400	93.0	95.8	97.3	98.1	98.5	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.7	99.8	99.9
≥ 300	93.1	95.9	97.4	98.2	98.6	98.9	99.3	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 200	93.1	95.9	97.4	98.2	98.6	98.9	99.3	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 100	93.1	95.9	97.4	98.2	98.6	98.9	99.3	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	100.0
≥ 0	93.1	95.9	97.4	98.2	98.6	98.9	99.3	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

886

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22008
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	43.2	43.2	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 20000	50.2	50.2	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 18000	50.6	50.6	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 16000	50.6	50.6	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000	51.9	51.9	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	53.1	53.1	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	54.4	54.4	54.5	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	55.0	55.2	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 8000	56.0	56.4	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 7000	56.5	56.8	56.9	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 6000	56.8	57.2	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 5000	58.3	58.6	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 4500	63.6	64.2	64.4	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	69.9	70.9	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3500	73.1	74.2	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3000	78.0	79.3	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2500	81.3	82.8	83.3	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	88.1	90.1	90.8	91.1	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	89.0	91.4	92.3	92.6	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	90.2	93.3	94.3	94.7	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200	90.6	93.9	94.9	95.5	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	90.9	94.3	95.6	96.1	97.2	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	91.0	94.4	95.7	96.3	97.3	97.5	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	91.3	94.8	96.0	96.6	97.6	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	91.3	94.8	96.0	96.6	97.6	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	91.5	95.0	96.3	96.8	97.8	98.1	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	91.6	95.2	96.5	97.0	98.1	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	91.6	95.2	96.5	97.2	98.3	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	91.6	95.2	96.5	97.2	98.3	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	91.6	95.2	96.5	97.2	98.3	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	91.6	95.2	96.5	97.2	98.3	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	91.6	95.2	96.5	97.2	98.3	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 880

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

22034
STATION

WHEELER AFB HI

STATION NAME

67-70,73-78

YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	52.4	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	55.7	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 18000	56.3	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 16000	56.8	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 14000	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000	57.2	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 10000	59.0	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 9000	59.3	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 8000	60.4	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 7000	60.7	60.9	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 6000	61.1	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 5000	62.2	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4500	65.0	66.3	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 4000	69.5	69.9	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 3500	71.8	73.6	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 3000	76.6	78.7	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500	80.7	83.6	84.1	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	86.9	90.9	91.8	92.1	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800	88.1	92.1	93.2	93.5	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	88.7	93.0	94.5	94.8	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	88.9	93.2	94.6	95.0	96.3	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	89.2	94.0	95.8	96.0	97.3	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	89.2	94.0	95.8	96.0	97.3	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	89.4	94.2	96.3	96.5	97.8	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	89.4	94.2	96.3	96.5	97.8	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	89.4	94.2	96.3	96.5	98.0	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	89.5	94.4	96.5	96.9	98.3	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	89.5	94.4	96.5	96.9	98.3	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	89.5	94.4	96.5	96.9	98.3	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	89.5	94.5	96.8	97.2	98.6	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	89.5	94.5	96.8	97.2	98.6	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	89.5	94.5	96.8	97.2	98.6	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 781

DATA PROCESSING BRANCH
USAF STAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2253A KEELER AFB HI

67-79, 73-78

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	60.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 10000	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 9000	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 8000	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	63.4	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 5000	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	66.7	68.5	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	70.8	72.6	72.6	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3500	73.3	75.3	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	75.5	77.5	77.5	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	81.3	83.6	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	86.7	89.4	90.6	90.6	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	88.3	91.0	92.1	92.1	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500	89.2	91.9	93.9	93.9	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	89.7	92.4	94.8	94.8	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	89.9	92.6	94.8	95.1	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	89.9	92.6	94.8	95.1	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	90.6	93.3	95.5	95.7	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	90.8	93.3	95.5	95.7	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	90.8	93.9	96.2	96.4	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	90.8	93.9	96.2	96.4	98.0	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	91.0	94.2	96.4	96.6	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	91.0	94.2	96.4	96.6	98.2	98.9	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	91.0	94.2	96.4	96.6	98.2	98.9	99.1	99.3	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8
≥ 100	91.0	94.2	96.4	96.6	98.2	98.9	99.1	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.0	94.2	96.4	96.6	98.2	98.9	99.3	99.3	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 445

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

22508 WHEELER AFB HI

67-70, 73-78

NGV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.2	≥.16	≥.1
NO CEILING	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.7	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	55.4	55.5	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 18000	55.6	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 16000	55.8	55.9	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	55.4	56.5	56.5	56.6	56.6	56.6	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7
≥ 12000	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000	58.8	58.9	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 9000	59.3	59.5	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	60.0	60.2	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 7000	60.4	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 6000	60.9	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4
≥ 5000	62.7	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	67.2	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4000	71.7	72.7	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	74.8	76.0	76.2	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3000	78.7	80.3	80.5	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	82.1	84.1	84.5	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0
≥ 2000	88.4	90.8	91.5	91.8	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5
≥ 1800	89.8	92.4	93.2	93.4	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	90.8	93.9	95.0	95.3	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5
≥ 1200	91.2	94.5	95.6	96.1	96.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	91.4	94.8	96.1	96.6	97.5	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	91.4	94.8	96.2	96.6	97.5	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 800	91.6	95.0	96.4	96.9	97.8	98.1	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	91.6	95.0	96.4	96.9	97.9	98.2	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	91.6	95.1	96.5	97.1	98.0	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 500	91.7	95.3	96.7	97.2	98.2	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 400	91.8	95.3	96.7	97.3	98.3	98.7	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	91.8	95.3	96.8	97.4	98.4	98.8	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 200	91.8	95.4	96.8	97.4	98.4	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100	91.8	95.4	96.8	97.4	98.4	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	91.8	95.4	96.8	97.4	98.4	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 4717

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

20073

WHEELER AFB 41

68,78

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3000-0200
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 10000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 7000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 5000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4500	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 3500	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 3000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	83.3	83.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800	83.3	83.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 18

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22516
STATION

WHEELER AFB HI
STATION NAME

67-62,75,78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1	≥0
NO CEILING	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 20000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 18000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 16000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 14000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 9000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 7000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 6000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 5000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4500	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 4000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 3500	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 3000	70.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2500	75.0	80.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2000	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1800	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 500	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 400	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 300	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 200	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 100	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 0	85.0	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 20

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22509
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3630-0800
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 20000	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
≥ 18000	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
≥ 16000	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5
≥ 14000	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5
≥ 12000	58.2	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7
≥ 10000	60.3	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7
≥ 9000	61.1	61.2	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5
≥ 8000	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.0
≥ 7000	61.8	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4
≥ 6000	62.1	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7
≥ 5000	63.4	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5
≥ 4500	66.1	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5
≥ 4000	70.9	71.2	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4
≥ 3500	74.6	75.1	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5
≥ 3000	77.8	79.2	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6
≥ 2500	83.6	87.2	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.9	82.9	82.9	82.9
≥ 2000	86.1	89.4	89.9	90.0	90.2	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9
≥ 1800	87.8	91.3	91.8	91.9	92.1	92.3	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	89.5	93.5	94.0	94.1	94.7	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7
≥ 1200	90.2	94.3	95.0	95.2	95.9	96.1	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 1000	90.8	94.9	95.7	95.9	96.6	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
≥ 900	90.9	94.9	95.7	95.9	96.6	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
≥ 800	90.9	95.2	95.9	96.1	96.9	97.1	97.9	98.1	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4
≥ 700	91.2	95.4	96.1	96.4	97.2	97.5	98.3	98.6	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9
≥ 600	91.2	95.4	96.1	96.4	97.2	97.5	98.3	98.6	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9
≥ 500	91.2	95.4	96.1	96.4	97.2	97.6	98.7	98.9	98.9	99.0	99.0	99.0	99.4	99.4	99.4	99.4
≥ 400	91.2	95.4	96.1	96.4	97.2	97.7	98.8	99.0	99.0	99.2	99.2	99.2	99.5	99.5	99.5	99.5
≥ 300	91.2	95.4	96.1	96.4	97.2	97.7	98.9	99.2	99.2	99.3	99.3	99.3	99.6	99.6	99.6	99.6
≥ 200	91.2	95.4	96.1	96.4	97.2	97.7	98.9	99.2	99.2	99.3	99.3	99.3	99.8	99.8	99.8	99.8
≥ 100	91.2	95.4	96.1	96.4	97.2	97.7	98.9	99.2	99.2	99.3	99.3	99.3	99.9	99.9	99.9	99.9
≥ 0	91.2	95.4	96.1	96.4	97.2	97.7	98.9	99.2	99.2	99.3	99.3	99.3	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 628

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22506
STATION

WHEELER AFB MI
STATION NAME

67-70,73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5950-1100
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 20000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 18000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 16000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 14000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 12000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 10000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 8000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 7000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 5000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 4500	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 4000	72.3	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 3500	75.7	76.1	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 3000	77.5	78.9	79.2	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2500	80.3	81.8	82.1	82.2	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2000	85.2	87.3	88.3	88.5	88.9	89.0	89.4	89.5	89.5	89.5	89.9	89.9	89.9	89.9	89.9	89.9
IV 1800	88.1	90.4	91.4	91.7	92.0	92.1	92.6	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	89.4	92.0	93.1	93.4	93.7	93.8	94.5	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	90.1	92.9	94.0	94.5	94.8	94.9	95.6	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	90.8	93.7	94.9	95.5	95.8	95.9	96.7	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	90.9	93.9	95.3	95.8	96.2	96.3	97.1	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	91.0	94.0	95.6	96.2	96.5	96.6	97.4	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 700	91.1	94.1	95.7	96.3	96.6	96.7	97.5	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	91.1	94.1	95.7	96.3	97.0	97.2	98.1	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	91.3	94.4	95.9	96.5	97.3	97.5	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	91.3	94.4	95.9	96.5	97.4	97.6	98.9	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	91.4	94.5	96.1	96.6	97.5	97.7	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	91.4	94.5	96.1	96.6	97.5	97.9	99.1	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	91.4	94.5	96.1	96.6	97.5	97.9	99.1	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	91.4	94.5	96.1	96.6	97.5	97.9	99.1	99.4	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 888

DATA PROCESSING BRANCH
USAF ETAC
AFD WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24500
STATION

WHEELER AFB HI

67-73, 73-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8
≥ 20000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4
IV 18000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4
IV 16000	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6
IV 14000	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.6
IV 12000	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.9
IV 10000	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0
IV 9000	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
IV 8000	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
IV 7000	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9
IV 6000	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9
IV 5000	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2
IV 4500	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3
IV 4000	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.8
IV 3500	74.4	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3
IV 3000	76.7	77.6	77.6	77.7	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.2
IV 2500	79.9	81.4	81.4	81.5	81.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.3
IV 2000	86.6	88.2	88.2	88.9	89.3	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
IV 1800	88.7	90.7	91.0	91.4	91.8	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
IV 1500	90.2	92.6	93.2	93.6	94.0	94.1	94.5	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.9
IV 1200	91.1	93.9	94.5	95.3	95.7	96.0	96.3	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.8
IV 1000	91.5	94.5	95.3	96.4	96.9	97.2	97.6	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.2
IV 900	91.5	94.5	95.3	96.4	96.9	97.2	97.7	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.3
IV 800	91.4	94.6	95.4	96.6	97.2	97.7	98.2	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.7
IV 700	91.4	94.7	95.9	96.7	97.4	97.8	98.3	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.9
IV 600	91.8	94.9	95.9	97.0	97.7	98.2	98.6	98.7	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.2
IV 500	92.0	95.1	96.0	97.1	97.9	98.5	99.0	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.5
IV 400	92.1	95.3	96.2	97.4	98.2	98.7	99.2	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8
IV 300	92.1	95.3	96.2	97.4	98.2	98.7	99.2	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8
IV 200	92.1	95.3	96.2	97.4	98.3	98.9	99.3	99.4	99.4	99.4	99.8	99.9	99.9	99.9	99.9	100.0
IV 100	92.1	95.3	96.2	97.4	98.3	98.9	99.3	99.4	99.4	99.4	99.8	99.9	99.9	99.9	99.9	100.0
IV 0	92.1	95.3	96.2	97.4	98.3	98.9	99.3	99.4	99.4	99.4	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 870

DATA PROCESSING BRANCH
U S ETAC
ALB WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508 WHEELER AFB HI

67-70,73-18

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 20000	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 16000	52.7	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 14000	53.9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 12000	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 10000	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 9000	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 8000	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 7000	57.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 6000	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 5000	60.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4500	65.4	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4000	69.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 3500	72.1	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	75.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 2500	78.3	80.1	80.5	80.7	80.8	80.8	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 2000	86.3	88.8	89.3	89.6	90.2	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	89.4	92.2	92.8	93.1	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1500	90.3	93.2	93.9	94.4	95.3	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	90.4	93.3	94.3	94.9	95.9	95.0	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	90.8	93.9	95.2	95.8	97.0	97.1	97.5	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	90.9	94.1	95.3	95.9	97.1	97.4	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	91.1	94.4	95.9	96.4	97.7	98.1	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	91.2	94.5	95.9	96.5	97.8	98.2	98.7	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	91.2	94.5	95.9	96.5	97.8	98.4	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	91.2	94.6	96.0	96.6	97.9	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	91.2	94.6	96.0	96.6	98.0	98.7	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 856

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

22-06

WHEELER AFB HI

67-73,73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥20000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥18000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥16000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥14000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥12000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥10000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥9000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥8000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥7000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥6000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥5000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥4500	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥4000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥3500	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥3000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥2500	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥2000	88.8	88.8	89.7	89.7	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥1800	89.3	91.5	92.6	92.6	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥1500	90.9	93.4	94.6	94.7	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥1200	91.2	93.8	95.1	95.1	95.9	96.1	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥1000	91.3	94.3	95.5	95.7	96.5	96.8	97.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥900	92.1	94.6	95.8	95.9	96.8	97.0	97.6	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥800	92.2	94.7	95.9	96.2	97.0	97.3	97.8	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥700	92.3	95.1	96.2	96.5	97.3	97.6	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥600	92.4	95.4	96.5	96.9	97.7	98.0	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥500	92.6	95.5	96.8	97.0	97.8	98.1	98.6	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥400	92.7	95.6	97.1	97.3	98.1	98.4	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥300	92.7	95.8	97.0	97.3	98.1	98.4	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥200	92.7	95.8	97.0	97.3	98.2	98.5	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥100	92.7	95.8	97.0	97.3	98.2	98.5	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥0	92.7	95.8	97.0	97.3	98.2	98.5	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

740

DATA DISCLOSURE BRANCH
USAF ETAC
LIAISON WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22010
STATION

WHEELER AFB MI

67-72, 73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2180-2300
OBSERVATIONS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 14000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 12000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 10000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 9000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 8000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 7000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 6000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 5000	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4500	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 4000	66.3	66.3	66.3	66.3	66.3	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3500	69.9	69.9	70.1	70.1	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 3000	72.7	73.5	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 2500	75.8	77.1	77.3	77.3	77.3	77.3	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 2000	82.2	83.2	85.3	85.3	85.3	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	87.9	89.3	91.8	91.8	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	89.7	93.0	94.3	94.3	95.1	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	90.2	93.3	95.9	95.9	96.1	96.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	90.7	94.3	96.4	96.4	96.6	96.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900	90.7	94.3	96.6	96.6	96.9	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	91.0	94.6	97.2	97.2	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 700	91.2	95.1	97.7	97.7	98.2	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	91.5	95.4	97.9	97.9	98.5	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	91.5	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	91.5	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	91.5	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	91.5	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	91.5	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	91.5	95.4	97.9	97.9	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 388

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22508
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-78
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5
≥ 20000	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9
≥ 18000	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0
≥ 16000	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥ 9000	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7
≥ 8000	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2
≥ 7000	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5
≥ 6000	60.6	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 5000	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500	66.5	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4000	70.8	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5
≥ 3500	73.8	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6
≥ 3000	76.7	77.8	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2
≥ 2500	79.7	81.2	81.7	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0
≥ 2000	85.9	88.0	88.8	89.0	89.4	89.4	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800	91.5	91.1	91.9	92.1	92.5	92.6	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	90.0	92.9	93.9	94.1	94.6	94.7	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.4
≥ 1200	90.8	93.6	94.7	95.1	95.7	95.9	96.3	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	91.0	94.2	95.4	95.9	96.6	96.8	97.4	97.5	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8
≥ 900	91.1	94.3	95.6	96.1	96.7	97.0	97.6	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	91.3	94.5	95.5	96.4	97.1	97.4	98.0	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5
≥ 700	91.4	94.7	95.1	96.6	97.4	97.6	98.3	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 600	91.5	94.8	95.2	96.7	97.6	97.9	98.6	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 500	91.6	94.9	96.3	96.8	97.8	98.2	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 400	91.6	95.0	96.4	96.9	97.9	98.3	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	91.6	95.1	96.4	96.9	97.9	98.4	99.2	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 200	91.6	95.1	96.4	96.9	98.0	98.4	99.2	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	91.6	95.1	96.4	96.9	98.0	98.4	99.2	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	100.0
≥ 0	91.6	95.1	96.4	96.9	98.0	98.4	99.2	99.5	99.5	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4608

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22578
STATION

WHEELER AFB HI
STATION NAME

67-70, 73-79
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 11 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥.4	≥0
NO CEILING	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 18000	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8
IV 16000	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9
IV 14000	54.3	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 12000	55.4	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	56.9	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 9000	56.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 8000	57.3	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 7000	57.9	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 6000	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 5000	60.8	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 4500	65.4	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4000	70.6	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500	74.7	75.6	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3000	80.0	81.3	81.5	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 2500	83.9	85.5	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2000	90.5	92.8	93.3	93.5	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	92.2	94.6	95.2	95.5	95.8	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	93.2	96.0	96.8	97.1	97.5	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
IV 1200	93.6	96.5	97.3	97.7	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	93.7	96.7	97.6	98.0	98.5	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	93.8	96.7	97.7	98.1	98.6	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV 800	93.8	96.8	97.8	98.2	98.7	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	93.8	96.9	97.8	98.2	98.8	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 600	93.9	96.9	97.9	98.3	98.9	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 500	93.9	96.9	97.9	98.4	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	93.9	97.0	97.9	98.4	99.0	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 300	93.9	97.0	98.0	98.4	99.0	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	93.9	97.0	98.0	98.4	99.0	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	93.9	97.0	98.0	98.4	99.0	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	93.9	97.0	98.0	98.4	99.0	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 58068

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE DISREGARDED
BECAUSE THEY ARE NOT STATISTICALLY SIGNIFICANT.

SKY COVER

22508

WHEELER AFB HI

68-70, 73-79

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02													
	03-05	23.1			30.8						26.9	19.2	5.3	26
	06-08	11.1			38.4						32.7	17.8	5.9	854
	09-11	6.1			40.1						36.9	17.0	6.2	906
	12-14	1.2	1.4		34.1	2.1	1.5	.9		1.4	36.4	20.9	6.7	905
	15-17	1.9			40.2						35.9	22.0	6.6	902
	18-20	7.1			47.5						28.3	17.1	5.7	813
	21-23	17.6			40.7						24.2	17.4	5.1	454
TOTALS		9.7	.2		38.8	.3	.2	.1		.2	31.6	18.8	5.9	4860

SKY COVER

FEB
MONT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02													
	03-05	33.3			50.0						16.7		3.0	6
	06-08	13.8			38.9						30.9	16.5	5.6	790
	09-11	5.1			41.1						31.9	21.9	6.3	846
	12-14	.7	1.9		32.6	1.4	.8	1.1		2.4	35.0	24.1	6.9	846
	15-17	.7			36.3						39.6	23.3	7.0	845
	18-20	7.5			43.0						30.1	19.5	5.9	775
	21-23	19.5			36.1						29.0	15.4	5.2	441
TOTALS		11.5	.3		39.7	.2	.1	.2		.3	30.5	17.2	5.7	4549

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Answers

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SKY COVER

APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02				50.0						50.0		6.0	6
	03-05				55.6						22.2	22.2	5.9	9
	06-08	4.2			35.3						39.7	20.9	6.7	834
	09-11	.4			33.4						45.3	20.8	7.2	894
	12-14		.6		27.9	1.2	1.9	.9		1.1	42.9	23.5	7.3	891
	15-17	.2			33.3						43.0	23.5	7.2	894
	18-20	2.0			31.9						42.5	23.5	7.1	830
	21-23	5.3			31.6						35.3	27.9	6.9	456
TOTALS		1.5	.1		37.4	.2	.2	.1		.1	40.1	20.3	6.8	4814

SKY COVER

68-70, 73-79

FAY

Situation

STATION NAME

PERIOD

MONIP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02				25.0							75.0	8.3	4
	03-05													
	06-08	3.3			40.3						40.0	16.5	6.5	856
	09-11	.4			37.2						47.5	14.5	6.9	925
	12-14	.4	.2		30.0	1.3	1.2	1.6		1.4	45.4	18.5	7.2	928
	15-17	.5			29.4						48.2	21.9	7.4	929
	18-20	1.1			33.7						43.9	21.3	7.1	845
	21-23	7.3			35.6						39.7	17.4	6.4	466
TOTALS		1.9	.0		33.0	.2	.2	.2		.2	37.8	26.5	7.1	4953

SKY COVER

JUN

4021

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02													
	03-05	14.3			28.6						42.9	14.3	6.1	7
	06-08	2.0			35.4						45.3	16.3	6.8	636
	09-11	.3			32.1						52.5	15.1	7.2	895
	12-14		.8		28.6	1.1	2.2	1.5		2.7	48.7	14.5	7.2	896
	15-17				34.8						50.8	14.4	7.1	896
	18-20	.9			37.5						45.3	16.3	6.8	823
	21-23	2.5			41.9						44.2	11.4	6.4	446
TOTALS		2.9	.1		34.3	.2	.3	.2		.4	47.1	14.6	6.8	4799

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JUL

STATION

STATION NAME

211 02

949

25

SKY COVER

AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02													
	03-05				20.0					70.0	10.0	7.9	10	
	06-08	4.3			41.1					41.5	13.1	6.3	879	
	09-11	1.1			38.5					44.9	15.5	6.7	930	
	12-14	.3	1.7		38.9	1.7	1.1	.4		1.0	41.2	13.7	6.5	930
	15-17	.1			45.4						40.5	14.0	6.4	929
	18-20	1.4			44.9						38.2	15.4	6.3	850
	21-23	4.9			46.2						36.6	12.3	5.9	487
TOTALS		1.7	.2		39.3	.2	.2	.1		.1	44.7	13.4	6.6	5015

SKY COVER

SEP

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MONTH	HOURS ULST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	16.7			66.7						16.7		3.5	6
	03-05				100.0								3.0	2
	06-08	8.2			49.0						35.7	7.1	5.4	841
	09-11	1.4			46.2						42.7	9.7	6.2	899
	12-14	.4	.6		36.5	1.2	2.1	1.0		1.4	45.1	11.6	6.6	898
	15-17	.4			41.7						46.5	11.3	6.6	899
	18-20	3.4			52.6						34.3	9.7	5.6	823
	21-23	6.5			53.5						29.5	10.5	5.3	465
TOTALS		4.6	.1		55.8	.2	.3	.1		.2	31.3	7.5	5.3	4833

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SKY COVER

22506

WHEELER 18 HI

67-70, 73-78

DEC

STATION

STATION NAME

PERIOD

MONIH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	16.7			5.6						66.7	11.1	7.3	18
	03-05	20.0			10.0						40.0	30.0	6.9	20
	06-08	11.2			38.5						33.3	16.9	5.8	829
	09-11	5.1			40.2						34.6	20.2	6.3	888
	12-14	2.0	.3		36.7	1.8	.8	.5		1.5	34.6	20.8	6.6	869
	15-17	3.0			36.0						41.2	19.7	6.8	856
	18-20	5.9			42.2						33.9	18.0	6.1	740
	21-23	11.1			40.7						32.2	16.0	5.7	388
TOTALS		5.4	.2		31.2	.2	.1	.1		.2	39.6	19.1	6.4	4607

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

22508 WHEELER AFB HI

67-70, 73-79

ALL

STA

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	9.7	.2		38.8	.3	.2	.1		.2	31.6	18.8	5.9	4860
FEB		11.5	.3		39.7	.2	.1	.2		.3	30.5	17.2	5.7	4549
MAR		2.7			29.5	.2	.2	.2		.2	43.8	23.2	7.2	5026
APP		1.5	.1		37.4	.2	.2	.1		.1	40.1	20.3	6.8	4814
MAY		1.9			33.0	.2	.2	.2		.2	37.8	26.5	7.1	4953
JUN		2.9	.1		34.3	.2	.3	.2		.4	47.1	14.6	6.8	4799
JUL		3.1	.2		42.0	.1	.2	.2		.2	39.0	15.2	6.3	4918
AUG		1.7	.2		39.3	.2	.2	.1		.1	44.7	13.4	6.6	5015
SEP		4.6	.1		55.8	.2	.3	.1		.2	31.3	7.5	5.3	4833
OCT		8.6	.2		42.4	.2	.2	.2		.2	34.6	13.4	5.8	4943
NOV		5.8	.1		42.3	.2	.1	.1		.1	32.7	18.6	6.1	4714
DEC		9.4	.2		31.2	.2	.1	.1		.2	39.6	19.1	6.4	4607
TOTALS		5.3	.1		38.8	.2	.2	.2		.2	37.7	17.3	6.3	58033

USAFETAC

FORM
JUL 64 1-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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SKY COVER

401

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- NOTE:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OLA to present these data may result in differences not exceeding $\pm 1.0^\circ\text{F}$ from directly converted values but excludes no Fahrenheit values.
- a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) ‡ indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

STATIC N

STATION NAME

73-7c

YFAPS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

24X1000

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1					1.1	7.4	15.1	31.9	59.2	19.0	0.0		0.0
2	6.7	20.9	11.5	26.0	61.3	76.2	90.6	95.2	98.5	85.5	43.2	18.9	52.6
3	71.7	72.4	90.6	85.1	87.5	100.0	99.6	100.0	100.0	98.6	92.4	72.1	89.2
4	92.9	94.1	98.2	98.9	100.0		100.0			100.0	100.0	98.3	98.5
5	100.0	100.0	99.6	100.0								100.0	100.0
6			100.0										100.0
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
MEAN	75.6	76.3	75.5	77.7	79.8	81.1	82.5	83.4	83.5	82.1	78.8	76.6	79.5
S D	3.250	3.665	2.959	2.906	2.284	2.377	2.249	2.503	1.956	2.818	2.923	3.190	3.960
TOTAL OBS	200	254	279	269	279	269	278	248	240	248	236	233	3102

2

DAILY TEMPERATURES

STATION

STATION NAME

YEAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
7	4.1	.6	.7	2.6	5.0	24.2	41.0	46.4	37.1	25.4	9.3	3.9	16.7
8	31.0	30.3	47.7	63.9	77.8	92.6	97.5	99.6	97.0	91.5	75.8	44.2	70.4
9	77.7	81.7	90.3	97.8	100.0	100.0	100.0	100.0	100.0	100.0	97.0	89.7	94.5
10	93.9	98.8	99.6	100.0							100.0	99.1	99.7
11	100.0	100.0	100.0									100.0	100.0
12													
13													
14													
15													
16													
17													
18													
19													
20													
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86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	62.5	62.5	63.3	65.0	65.0	67.8	69.0	69.4	68.7	67.6	65.9	63.8	66.0
S.D.	3.856	3.259	2.978	2.484	2.124	2.197	2.368	2.433	2.132	2.365	2.893	3.545	3.891
TOTAL OBS	269	254	279	265	279	269	278	248	240	238	236	233	3102

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

71-79

YEARS

WOLF DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	
YEAR														
71	*	78	82	80	81	83	84	84	85	85	84	81*	80	85
72	*	79	78	82	83	83	86	81	85	87	89	82*	78	89
73	*	80	83	80	81	81	84*	85	85	85	85*	84*	82	85
74	*	82	81	82	83	84*	86	86	90	87	85	82*	82	90
75	*	79	79	80	82	83	84	83	83	84	84	82*	82	84
76	*	81	79	80	79	83	84	85	86	86	87	84*	82	87
77	*	81	83	81	83	83	86	85	88	88	88*	85*	84	88
78	*	81	81	84	84	84	86	89	89	95	86*	84*	82	84
79	*	79	82	82*	82	85	86	89						

NOTES * (BASED ON LESS THAN FULL MONTHS)

2
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EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION
STATION NAME

71-79

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		ALL MONTHS
YEAR															
71	*	52	58	58	62	63	62	64	65	65	61	62*	58	*	52
72	*	55	54	55	58	63	63	65	66	64	64	57*	51	*	51
73	*	57	55	52	58	63	63*	65	67	66	63*	63*	58	*	56
74	*	59	59	57	61	63*	65	65	65	66	66	59*	60	*	57
75	*	56	57	52	59	61	65	64	64	64	63	62*	57	*	55
76	*	59	54	54	62	62	63	64	65	66	64	58*	59	*	54
77	*	55	58	62	51	63	64	65	66	63	64*	51*	57	*	57
78	*	53	64	55	61	64	64	66	67	67	62*	59*	58	*	53
79	*	56	59	55*	57	62	64	65						*	

NOTES * (BASED ON LESS THAN FULL MONTHS)

CLIMAT CLIMATOLOGY BRANCH
USAFETAC
41- WEATHER SE-VIC/MAO

PSYCHROMETRIC SUMMARY

22505 WHEELER AFB HI

73,75

JAN

STATION

STATION NAME

YEARS

PAGE 1

MONTH

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
70/ 64				3.8																1	1			
68/ 67				3.8	3.8															2	2	1		
66/ 62		11.5	3.8																	4	4	3	1	
64/ 63		19.2		3.8																6	6	1	4	
62/ 61		15.4																		4	4	7	3	
60/ 59		19.2	3.8																	6	6	5	8	
58/ 57		11.5																		3	3	5	3	
56/ 55																						4	5	
44/ 53																							2	
TOTAL		76.9	15.4	7.7																	26	26	26	

USAFETAC FORM 0-20-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	205610	2308	88.8	5.408	26	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93
Dry Bulb	101260	1620	62.3	3.586	26			10.7				93
Wet Bulb	94937	1569	60.3	3.187	26			3.6				93
Dew Point	90780	1534	59.0	3.311	26							93

02000	ACCLEED AFB HI
STATION	STATION NAME

PSYCHROMETRIC SUMMARY

JAG

PAGE 1 0600-3800
HOURS 11-5-1-1

USAFETAC FORM 0-26-5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

26000 AMBLED AFB HI

66-72, 73-79

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57A-24

STATION NAME

YEARS

424

PAGE 1

3932-1100

152485 (1-5-1)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 74						.1	.1											2	2																
74/ 77		.1	.1	.3	1.1	1.1	.9	.1										34	34																
74/ 75		.7	.6	1.2	5.2	3.4	1.2	.7										119	119	1															
74/ 76		.3	2.1	7.5	5.4	3.4	.2	.2										174	174	6	3														
72/ 74		1.8	5.3	6.8	7.0	1.2	.1											200	200	21	9														
70/ 69	.2	3.6	5.7	5.1	3.1	.9	.2											172	172	59	38														
67/ 67	.5	3.3	5.7	2.0	1.5	.8												128	128	219	81														
66/ 65	.3	1.4	1.5	1.7	.7	.1												52	52	263	129														
64/ 63	.2	.3	.7	.6	.3													19	19	182	159														
63/ 61		.1	.2	.3														6	6	63	168														
57/ 59																				35	128														
58/ 57																				20	84														
55/ 55																				5	40														
54/ 52																					10														
52/ 51																					10														
50/ 49																					10														
TOTAL	1.311	8.21	9.25	5.24	3.11	.3	3.4	.6										906	906	906	906														

Element (X)	ΣX'	ΣX	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5071306	66992	73.911	4.06	906	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4593197	64439	71.1	3.323	906			85.1	33.2			93
Wet Bulb	3889198	59298	65.5	2.996	906			34.7	.9			93
Dew Point	3517344	56326	62.2	4.146	906			13.4	.3			93

SENIOR CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 4WHEELER AFB HI STATION NAME 68-70,73-79 YEARS PAGE 1 JAN MONTH 1200-1400 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
61 / 61							.1	.3	.2									6	6																
62 / 72						.3	3.0	2.4	1.5	.4								79	73																
71 / 77			.4	.9	4.4	7.3	5.4	1.5										186	186																
72 / 75		.2	.9	1.8	7.8	10.3	3.4	.3										222	222																
73 / 77		.4	2.4	6.4	3.5	4.9	1.3	.2										173	173	13	1														
74 / 71	.2	1.1	2.6	3.6	4.3	1.4	.4											122	122	33	17														
73 / 69		2.1	2.3	1.0	1.3	1.3	.3											73	73	162	31														
61 / 67		1.8	.1	.6	.0	.6	.1											36	36	283	62														
62 / 65		.4	.3	.4														11	11	251	113														
64 / 63	.2	.2	.1															5	5	92	165														
62 / 61		.2																2	2	41	169														
67 / 59																				24	132														
62 / 57																					7	94													
55 / 55																						49													
54 / 53																						15													
52 / 51																						12													
51 / 48																						6													
TOTAL	.4	6.5	6.9	14.7	22.5	29.1	13.5	3.9	.4										936	936		906													

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	4119000	60084	66.3	12.184	906	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	5016384	67346	74.3	3.379	906			91.2	67.4	2.9		93
Wet Bulb	4319421	60295	66.6	2.729	906			58.4	1.5			93
Dew Point	3593177	56213	62.0	4.129	906			13.9	.1			93

JAN

YEARS

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 1 1600-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

22-23

AFSELER AFB MI

68-73, 73-79

443

STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
74/ 73			.4	1.1														7	7					
72/ 71	.2	3.1	1.5	.4														24	24	5	3			
70/ 69	.4	2.9	7.3	3.7	.7													68	68	17	16			
68/ 67		6.2	11.4	3.1														94	94	38	11			
66/ 65	1.1	13.2	11.6	3.7	.4													137	137	90	55			
64/ 63	.2	9.7	4.0	.9	.7													70	70	124	91			
62/ 61	.2	4.2	2.6	1.1	.4													39	39	93	108			
60/ 59		1.5	.9	.4														13	13	45	86			
58/ 57		.2	.2															2	2	21	43			
56/ 55		.2																1	1	13	16			
54/ 53																				4	16			
52/ 51																					6			
50/ 49																					2			
48/ 47																					2			
TOTAL	2.2	41.1	40.0	14.5	2.2													455	455	455	455			

PSYCHROMETRIC SUMMARY

22508
STATIO

WHEELER AFB HI

66-70, 73-79

JAN
MONTH

PAGE 1

ALL

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

22-00 WHELEP AFB HI
STATION STATION NAME

73

YEARS

FEB
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
54 / 65		33.3																2	2																
52 / 61		33.3																2	2	2	2														
60 / 59																				2	2														
55 / 57		33.3																2	2																
50 / 55																				2	2														
TOTAL		6																6	6	6	6														
																		6		6															

PSYCHROMETRIC SUMMARY

22500 4-EELEP AFB HI

58-70, 73-79

FFS

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0200
HOURS (P. M. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
72/ 71		.3	.6	.3	.1													13	10																	
73/ 62	.3	1.5	2.4	1.4	.1													45	45	7	5															
64/ 67	1.1	6.8	5.7	3.4	.5													138	139	30	20															
66/ 65	.9	10.1	6.8	2.3	.4													162	162	108	61															
4/ 62	1.3	10.0	5.1	1.5	1.1	.1												156	156	153	106															
62/ 61	1.0	12.4	2.5	.9	.5													137	137	186	139															
57/ 59	2.3	5.7	1.1	.3														80	80	150	202															
54/ 57	.6	3.9	.1															37	37	83	106															
56/ 55	.1	2.8																23	23	52	71															
54/ 53		.3																2	2	21	43															
42/ 51																					15															
50/ 49																					11															
42/ 47																					4															
TOTAL	7.2	55.4	24.4	10.0	2.8	.1												790		790	790															

PSYCHROMETRIC SUMMARY

FFP
MORIN

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
79				.1						.5	.5	.5																						13	13		
77				.1	.7	1.3	1.7	2.3	.7																									59	59		
75				.6	2.5	3.7	5.0	.9	.2																									118	118	1	
73			.2	1.4	5.4	4.7	3.3	.8																										143	143	3	1
71	.1	1.2	3.8	7.1	5.2	1.9	1.2	.1																										174	174	17	4
69	.1	2.8	6.3	5.8	3.3	1.2	.2																											162	162	82	24
67	.5	1.4	3.2	3.3	1.9	.8																												94	94	196	66
65	.1	2.2	1.7	1.1	.8	.2																												52	52	247	109
63	.1	.8	.9	.6	.5																													25	25	165	156
61	.2	.2	.1	.1																														5	6	74	182
59																																				41	122
57																																				17	97
55																																				3	37
53																																					22
51																																					14
49																																					10
47																																					2
TOTAL	1.2	9.0	18.0	27.5	21.5	15.6	5.7	1.5																										846	846	846	
																																			846	846	

PSYCHROMETRIC SUMMARY

22574	WHEELER AFB MI
STATION	STATION NAME

68-70, 73-79

173
174
175

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	C	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
4/ 50								.1										1	1																
5/ 51						.1	.2	1.1	1.2	.5								35	35																
6/ 52			.1	.4	1.5	2.2	3.5	2.2	.5									94	94																
7/ 53			.1	1.5	5.2	5.9	8.5	1.5	.4									198	198																
8/ 54			.5	2.1	5.6	7.1	5.7	1.3										171	171	1															
9/ 55		.1	.9	2.6	4.5	5.0	2.2	.1										131	131	14	1														
10/ 56		1.2	1.8	2.4	2.4	9	1.3											84	84	37	12														
11/ 57	.1	2.2	1.5	1.4	1.3	1.3	.2	.2										71	71	140	33														
12/ 58	.2	.7	.9	.2	.5	.8												29	29	233	70														
13/ 59	.1	1.4	.5	.1	.4													21	21	220	94														
14/ 60	.2	.7																10	10	122	137														
15/ 61																				48	166														
16/ 59																				21	116														
17/ 57																				2	99														
18/ 55																				1	52														
19/ 53																					32														
20/ 51																					17														
21/ 49																					4														
22/ 45																					2														
TOTAL	.7	6.4	6.4	11.0	21.4	24.1	20.3	7.5	1.7										845	845	845														
																		845		845															
</																																			

PSYCHROMETRIC SUMMARY

4250F	PEELER AFB HI
STA# 04	STATION NAME

69-70, 73-79

YEARS

FEA
MONTH

PAGE 1 1530-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
 CLIMATE CLIMATOLOGY BRANCH
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

275th ANDELER AFB HI 66-73,73-79 YEARS FEB 1900-2000
 STATION MONTH HOURS (L. S. T.)

PAGE 1 1800-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dry Bulb	Wet Bulb	Dew Point															
7 / 77							.1											1		1															
70 / 75					.1	.4	.4											8		8															
74 / 73			.1	1.5	3.9	2.3	1.7	.3										72		72															
70 / 71			.8	3.7	8.6	4.1	.6	.1										140		140		2													
70 / 69		.3	3.0	11.3	8.9	4.1	.5											215		215		31	10												
66 / 67	1.3	3.7	8.1	7.0	3.1	.5												183		183		127	52												
66 / 65	.1	1.8	4.1	4.5	1.3													92		92		217	91												
64 / 63	.5	1.2	2.1	1.2	.9	.1												46		46		189	157												
62 / 61	.1	.9	.4	.5														15		15		112	153												
60 / 59		.4		.1														4		4		66	147												
58 / 57																						22	81												
56 / 55																						10	40												
54 / 53																																			
52 / 51																																			
50 / 49																																			
48 / 47																																			
TOTAL	2.3	11.9	30.9	34.8	16.2	3.5	.4											776		776		776													

Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum.	4689359	59859	77.1	9.636	776	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3678741	53381	68.8	2.933	776			67.0	8.8			84
Wet Bulb	3190113	49703	64.1	2.923	776			17.3				84
Dew Point	2919595	47503	61.2	3.884	776			6.7				84

PSYCHROMETRIC SUMMARY

2205c	WHEELER AFB HI
STATION	STATION NAME

66-70, 73-79

253

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
74/ 73				.2														1	1													
72/ 71		1.4	2.0	1.1														20	20	1												
70/ 69		3.0	7.3	2.5	.2	.2												58	58	6	2											
68/ 67	.2	5.5	10.9	4.5	1.4													99	99	33	19											
66/ 65	1.4	12.3	12.3	5.0	.9													139	139	85	36											
64/ 63	.5	5.2	6.6	4.1	.5													74	74	122	99											
62/ 61	.2	3.2	3.0	.9	.5													34	34	80	85											
60/ 59		1.6	1.4															13	13	68	61											
58/ 57			.2															1	1	34	49											
56/ 55		.2																1	1	9	42											
54/ 53																				2	14											
52/ 51																					7											
50/ 49																					5											
TOTAL	2.3	32.3	43.4	12.4	3.4	.2												440	440	440	440											

Element (X)	Σ X²	Σ X	X̄	sₓ	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3069287	36569	63.1	8.265	440							
Dry Bulb	1915572	29006	65.9	2.794	440			34.0	.2			84
Wet Bulb	1730207	27559	62.6	3.046	440			7.6				84
Dew Point	1622761	26667	60.6	3.865	440			4.2				84

PSYCHROMETRIC SUMMARY

73, 73

TELES

202

PAGE 1 0330-0850
HOLDS 1-1

Temp	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
IF	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
5/ 54				05.3															1	1															
6/ 50			00.025.0																3	3															
7/ 52																					2	2													
8/ 51																					1	1													
9/ 57																						1													
TOTAL			00.025.025.0																	4	4	4													
																			4		4														

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						+ 9 F	+ 32 F	+ 57 F	+ 73 F	+ 80 F	+ 93 F	Total
Ref. Num.	29755	243	35.210.689		4							93
Dry Bulb	17736	266	66.5	2.386	4			23.31				93
Wet Bulb	15133	254	63.4	1.132	3							93
Dew Point	15394	248	62.0	2.445	4							93

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

 M A R
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

1500-1700
HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OLA)

PSYCHROMETRIC SUMMARY

YFAPS

MAZ
MONTH

PAGE 1 1600-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAE

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

22508	WHEELER AFB HI
STATION	STATION NAME

75

YEARS

५५२

PAGE 1 0000-020
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
67 / 67			83.3															5	5																
66 / 65			18.7															1	1	3															
64 / 63																					3														
62 / 61																																			
TOTAL			0																6		6														

PSYCHROMETRIC SUMMARY

YEARS

APP

0300 030
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
57			33.3	11.1															4	4																
55		22.2	22.2	2															4	4	1															
53		11.1																1	1	4																
51																					4	2														
49																						3														
47		33.3	55.6	11.1																9		9														
																			9		9															

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	66828	774	86.0	5.745	9	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	39087	593	65.9	1.364	9			40.0				90
Wet Bulb	35858	568	63.1	1.167	9							90
Dew Point	34249	555	61.7	1.732	9							90

PSYCHROMETRIC SUMMARY

ADD

YEARS

MONTH

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47/53																		6	8																
47/51					.1	.2	1.1	3.3	1.0	.2								75	73																
47/71			.1	.3	1.2	6.8	5.0	6.6	1.3	.1								193	193																
77/77			.5	1.1	3.7	7.6	5.5	1.1										220	220																
77/71		.1	.7	2.2	5.6	5.7	2.4	.2										178	178	2															
77/73			.4	3.8	3.6	3.2	.3											102	102	13	3														
77/71		.2	2.1	1.7	1.5	.6	.3											57	57	58	1														
69/69	.1	.4	2.2	1.6	.6	.3	.1											42	45	184	22														
67/67		.4		.1	.1	.2												8	8	301	51														
66/66		.3		.2	.2													9	9	254	147														
65/65																				57	172														
64/64																				13	206														
59/59																				5	155														
57/57																				6	79														
55/55																					32														
54/53																					6														
52/51																					7														
51/49																					8														
TOTAL	.1	1.6	6.2	11.2	16.7	50.9	21.2	10.2	1.6	.1								693	693	693	593														

USAFETAC
FORM
JUL 64
0-26.5 (OL.A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

Element (X)	Σx^2	Σx	\bar{x}	s_x^2	No. Obs.	Mean No. of Hours with Temperature						Total
						$\pm 0^\circ \text{F}$	$\pm 32^\circ \text{F}$	$\pm 67^\circ \text{F}$	$\pm 73^\circ \text{F}$	$\pm 80^\circ \text{F}$	$\pm 93^\circ \text{F}$	
Rel. Hum.	3515271	55241	61.9	16.405	893							
Dry Bulb	5224569	66237	76.4	3.411	893			89.1	77.7	16.1		90
Wet Bulb	4045333	60063	67.3	2.455	893			56.2	1.5			90
Dew Point	3456524	55462	62.1	3.659	893			6.7	.3			90

PSYCHROMETRIC SUMMARY

22509	WHEELER AFB HI
STATION	STATION NAME

65-70, 73-79

YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

22573

WHEELER AFB HI

68-70, 73-79

APP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

22518
STATIO

WHEELER AFB HI

66-72, 73-79

APR
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
14/ 75				.2														1	1			
12/ 71		1.5	3.9	3.5	1.1													46	46			
72/ 69	.2	5.7	14.9	7.2	2.9													141	141	14	7	
65/ 67	.2	5.0	19.7	7.2	.7													150	150	61	26	
65/ 65		8.6	11.2	2.2														100	100	135	53	
64/ 63		1.5	1.3	.4	.2													16	16	157	131	
62/ 61		.4																2	2	72	118	
60/ 59																				15	74	
59/ 57																				1	37	
56/ 55																				1	8	
54/ 53																					1	
50/ 49																					1	
TOTAL	.4	22.8	51.1	20.8	4.8													456	456	456	456	

PSYCHROMETRIC SUMMARY

APP

YEARS

MONTH

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

22570 WHEELER AFB HI
STATION STATION NAME

72, 75

YEARS

MAY
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

3300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

65-76, 73-79

YEARS

MAY
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAY

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
4/ 83				.1			.2	.3	.2	.3								16	16					
2/ 81							1.3	3.1	1.1	.1	.1							53	53					
5/ 79				.3	1.2	7.9	4.3	1.8	.1									143	143					
7/ 77			.1	.6	7.7	9.5	5.3	.1										210	210	1				
75/ 75			.9	4.2	11.2	8.2	2.1	.1										247	247	1	1			
74/ 73		.1	2.9	5.5	5.7	1.9	.1											151	151	12	2			
72/ 71		.5	2.4	3.3	1.3													70	70	72	4			
7/ 69		1.2	1.8															28	28	280	41			
68/ 67		.2	.2															4	4	348	100			
66/ 65	.1	.5																3	3	186	190			
64/ 63		.1																1	1	25	250			
62/ 61																				1	206			
60/ 59																					92			
58/ 57																					31			
56/ 55																					6			
54/ 53																					1			
TOTAL	.1	2.4	8.3	14.2	6.5	29.0	15.2	3.7	.5	.1								926	926	926	926			

PSYCHROMETRIC SUMMAR

YEARS

MAY
MONTH

PAGE 1 1200-140
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

22675 WHEELER AFB MI

66-70, 73-79

244

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

1958 1959
HOURS: 1 5 10

[illegible]

PSYCHROMETRIC SUMMARY

MAY

STAN CA

STATION NAME

YEARS

MONTH

PAGE : 1800-2000
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5	6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
65/ 79						.2	.3	.2											11	11															
75/ 77					.4	3.0	2.2	.6											52	52															
76/ 75			.7	2.5	7.2	3.4	.5												124	124															
74/ 73		.4	2.6	11.8	9.6	2.4													226	226															
72/ 71		.9	5.7	11.4	7.3	.5													218	218	25	2													
73/ 59	.1	3.6	8.6	6.3	1.2														167	167	122	28													
67/ 67	.4	2.2	1.9	.7	.1														45	45	291	91													
66/ 65		.2																	2	2	301	176													
64/ 63																					102	214													
62/ 61																					4	233													
60/ 59																						61													
58/ 57																						19													
56/ 55																						1													
TOTAL	.5	7.3	19.5	33.4	28.6	9.3	1.3													845		845													
																			245		545														

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26.5 (OLA)

PSYCHROMETRIC SUMMARY

YEARS

425

MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
60/ 79							.2											1	1				
70/ 75				.9														4	4				
74/ 73		.4	1.1	3.2	1.9			.4										33	33				
72/ 71		1.7	9.3	9.0	4.1													111	111	3			
72/ 69	.2	7.7	18.4	11.8	.9													192	182	30	10		
68/ 67	.9	6.6	13.2	2.4	.2													109	109	122	50		
66/ 65		3.4	1.9	.6														28	28	192	106		
4/ 63																				110	131		
62/ 61																				11	122		
60/ 59																					42		
50/ 57																					5		
56/ 55																					2		
TOTAL	1.1	19.0	43.6	27.8	7.1	.2	.4											468	468	468	468		

PSYCHROMETRIC SUMMARY

YEAPS

421

PAGE 1 ALL
NOV 1951

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 JUN
MONTH
0300-0500
HOURS L. S. T

[illegible]

USAFETAC
FOIA
JUL 64
0.26-5 (OL A)
REVISED METHODS (DITCHES OF THE FLOW ARE OBSOLETE)

PSYCHROMETRIC SUMMARY

JUN

YEARS

0600-0800
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OL A)

PSYCHROMETRIC SUMMARY

YEARS

 JUN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUN

MONTH

1230-1400

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

68-70, 73-79

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

1000-2000
HOURS (U.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
75 / 77					.2													1	1				
76 / 78				3.8	2.0													26	26				
74 / 73		.7	3.6	13.9	3.4	.4												98	98				
72 / 71		3.1	12.8	20.9	2.0													173	173	5	1		
77 / 59		6.1	11.9	7.2	.9													116	116	77	11		
66 / 67		2.5	3.8	.9														32	32	165	84		
66 / 65																				158	130		
64 / 63																				39	106		
62 / 51																				2	98		
60 / 59																					14		
56 / 55																					2		
TOTAL	12.3	332.1	46.6	8.5	.4														446		446		
																		446		446			

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

3000-0200
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
74/ 73				42.9															3	3																
72/ 71			26.6	28.6															4	4																
70/ 69																					1															
68/ 67																					4	1														
66/ 65																					2	3														
64/ 63																						2														
62/ 61																						1														
TOTAL			26.6	71.4																7		7														

USAFETAC FORM 0-25-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

74, 76-78

JUL

STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

MONTH

PAGE 1

0300-0500

HOURS 11 5 31

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
74 / 73				42.9														3	3					
70 / 69		14.3																1	1					
68 / 67			23.6															2	2	4	3			
66 / 65		14.3																1	1	2	3			
64 / 63																				1	3			
62 / 61																					1			
TOTAL		29.6	28.6	42.9														7	7	7	7			

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTA

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
74/ 77				1.1	2.1	.6	.1											33	33													
75/ 75		.2	.9	3.6	6.2	.6												99	99													
74/ 73		1.4	4.4	10.7	2.8	.6												170	170	3	1											
74/ 71	.2	1.9	10.3	6.3	.8	.1												162	162	46	6											
70/ 65		8.1	16.3	2.7	.2													233	233	153	53											
64/ 67	.1	7.1	5.6	.2														112	112	336	161											
66/ 65		4.1	.6															42	42	228	280											
64/ 63		.4																3	3	82	235											
62/ 61																				6	95											
60/ 59																					16											
50/ 57																					5											
TOTAL	.4	23.6	124.2	12.2	1.9	.1													854		854											
																		854		854												

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of hours with Temperature						
Ref. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4337610	60810	71.2	2.979	854			88.1	32.9			93
Wet Bulb	3850637	57319	67.1	2.021	854			58.6	.3			93
Dew Point	3615260	55528	65.0	2.365	854			24.1	.1			93

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67/ 87								.1										1	1																
67/ 85							.2	.3	1.1	.1								16	16																
64/ 83					.1	1.1	1.9	2.3	.1									49	49																
62/ 81				.2	1.4	5.7	7.2	1.3	.1									145	145																
60/ 79			.1	1.2	5.1	5.4	5.1	.4										253	253																
58/ 77			.2	3.9	9.9	9.0	1.5											227	227	1															
56/ 75		.4	1.1	5.2	6.9	1.9	.1											145	145	9															
54/ 73		.6	2.2	3.0	.8													61	61	34	7														
52/ 71		1.4	.8	.1														21	21	195	28														
50/ 69	.2	.5	.1															8	8	411	106														
48/ 67		.1																1	1	201	194														
46/ 65																				26	234														
44/ 63																					234														
42/ 61																					132														
40/ 59																					19														
38/ 57																					2														
36/ 55																					1														
TOTAL	.2	3.1	4.4	13.6	24.2	33.3	16.2	4.6	.3									927	927		927														

PSYCHROMETRIC SUMMARY

64-70, 73-79

JUL
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point															
84 / 84								.1	.1	.1								3	3																	
83 / 87							.1	.5	1.5	.1								21	21																	
82 / 85					.7	1.0	2.4	2.7	.6	.2								66	66																	
81 / 83					1.3	2.5	7.6	10.3	2.7									239	239																	
80 / 81				.1	2.3	6.0	14.3	4.1	.3									251	251																	
79 / 75			.1	1.2	4.5	12.5	4.3	1.2										225	225																	
78 / 77			.2	1.3	3.4	2.8	1.6											90	90	5																
76 / 75		.2	.3	1.1	.5	.2												22	22	32	2															
74 / 73		.3	.8	.2														12	12	155	13															
72 / 71	.1	.3																4	4	231	38															
70 / 69		.1																1	1	351	98															
68 / 67	.1																	1	1	135	162															
66 / 65																				7	194															
64 / 63																					253															
62 / 61																					116															
60 / 59																					42															
58 / 57																					8															
TOTAL	.2	1.0	1.4	3.9	12.6	25.1	32.7	19.4	5.3	.4								926	926	926																

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum	3272244	54408	58.6	9.332	926	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	6126613	75277	81.3	2.779	926			93.0	92.4	71.5		93
Wet Bulb	4629096	65444	70.7	2.057	926			92.3	20.3			93
Dew Point	3955592	60450	65.3	3.183	926			31.4	1.5			93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 66-73,73-79 JUL 1570-1700
STATION MONTH HOURS (L. S. T.)

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
57/ 87							.1	.2	.2	.1								6	6												
56/ 85						.8	1.4	2.6	1.3									55	55												
54/ 83					.3	2.7	3.7	6.0	1.0									126	126												
52/ 81						2.0	6.9	11.7	2.3	.3								218	218												
50/ 79			.1	1.0	5.9	14.4	6.1	1.8										276	270												
75/ 77				2.2	6.3	6.7	2.0											158	158												
76/ 75			1.4	2.3	2.7	.5	.1											58	58	17	1										
74/ 73		.1	.7	1.0	.2	.1												19	19	131											
72/ 71			.2	.7	.1													9	9	225	34										
70/ 69	.1	.2																3	3	372	109										
68/ 67																				158	177										
66/ 65																				19	205										
64/ 63																					723										
62/ 61																					121										
60/ 59																					44										
58/ 57																					7										
56/ 55																					1										
TOTAL	.1	.5	2.8	6.5	16.6	32.2	25.1	13.1	2.9	.1								922	922	922											

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3486282	56106	60.9	8.969	922	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	93
Dry Bulb	5927828	73880	80.1	2.912	922			97.0	91.8	56.4	93
Wet Bulb	4553733	64770	70.2	1.997	922			91.1	14.9		93
Dew Point	3728663	60121	65.2	3.010	922			72.4	.1		93

USAFETAC FORM 0-26-5 (OL A) JUL 64

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
4/ 40							.1		.1									2	2																
5/ 61						.2	1.3	.7										19	19																
6/ 79				.4	2.1	4.7	.8	.1										67	67																
7/ 77			.1	3.4	8.9	5.2	1.6											159	159																
74/ 75			1.9	11.0	15.4	3.9												266	266																
74/ 73		.4	-.4	14.3	5.7	1.2												214	214	19															
75/ 71		.3	2.7	5.6	.7													61	61	93	6														
75/ 69	.0	.7	1.0															17	13	296	81														
85/ 67		.1																1	1	306	171														
86/ 65																				104	214														
88/ 63																				4	224														
82/ 61																					101														
85/ 59																					25														
85/ 57																					5														
TOTAL	.5	2.1	10.0	34.6	33.0	16.4	3.1	.2										827	827	627	627														

Element (X)	ΣX ²	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4202112	58564	70.8	8.153	827	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	93
Dry Bulb	4692034	62258	75.3	2.495	827			93.0	61.0	5.1		93
Wet Bulb	3890329	56701	68.6	1.934	827			80.9	2.1			93
Dew Point	3508691	53827	65.1	2.560	827			29.0				93

USAFETYAC FORM 0-26.5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUL
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI 68-70, 73-79 JUL
 STATION STATION NAME YEARS MONTH

PAGE 1 ALL
 HOURS (S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
87/ 87									.1	.1	.3							3	3						
86/ 85								.3	.2	.3	.6							137	29						
85/ 85						.3	.4	.8	1.2	.3	.3							137	137						
84/ 83						.3	1.2	2.5	3.6	.7								407	407						
82/ 81					.1	1.1	3.7	6.4	1.4	.2								633	633						
80/ 79				.1	.7	3.3	8.8	3.1	.7									815	815						
78/ 77				.1	2.2	5.6	4.4	1.2										670	670	6					
76/ 75			.2	1.1	4.7	5.7	1.3	.0										639	639	58	3				
74/ 73			.5	3.0	6.8	2.9	.3											621	621	402	21				
72/ 71	.1	1.2	4.0	3.9	.4	.0												468	468	317	116				
70/ 69	.2	2.0	3.7	.8	.3													329	329	1698	475				
68/ 67	.1	1.3	1.1	.3														127	127	1335	983				
66/ 65		.7	.1															43	43	506	1249				
64/ 63		.1																3	3	95	1304				
62/ 61																				6	588				
60/ 59																					155				
58/ 57																					27				
56/ 55																					2				
TOTAL	.3	5.9	13.2	19.1	18.6	20.1	14.1	7.0	1.6	.1								4923	4923		4923				
																			</						

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

63810

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

67-78, 73-78

AUG

NOTATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

22508 WHEELER AFB HI

67-72, 73-76

AUG

STATION	STATION NAME
---------	--------------

YEARS

MONTH

PAGE 1

G900-1180
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
87/ 87									.1									1	1					
86/ 85					.2	.4	.8	1.5	.1									29	29					
84/ 83				.1	.5	2.5	3.1	2.3										79	79					
82/ 81			.1	2.2	7.5	7.3	.9	.1										168	168					
79/ 79		.2	.2	1.9	5.4	15.3	1.3	.3										234	234					
77/ 77		.2	1.1	2.8	12.2	7.2	.8											225	225	7				
76/ 75		.6	2.3	3.8	5.5	.5												118	118	21				
74/ 73		1.1	2.4	2.4	.1													55	55	143				
72/ 71	.1	1.1	.6	.1	.1													19	19	252				
70/ 69		.2																2	2	403				
67/ 67																				99				
66/ 65																				5				
64/ 63																								
62/ 61																								
60/ 59																								
57/ 57																								
TOTAL	.1	3.4	6.6	11.2	26.1	34.0	13.2	5.1	.3									930	930	930				

USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

22509 WHEELER AFB HI

67-73, 73-72

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

1250 1400
HOURS (L. 5. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

PSYCHROMETRIC SUMMARY

LEADS

PAGE 1 1800-2000
AUG
MONTH
1000'S (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (DLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

22000	AMLELE? AFB HI
STATION	STATION NAME

67-70, 73-76

AUG
MONTH

PAGE 1

ALL
HOURS (L. & T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

552

MONY N

PAGE 1

2000-0253
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry	Wet Bulb	Dew Point														
74 / 73				16.7															1	1															
72 / 71			16.7																1	1															
70 / 69		50.0	16.7																4	4															
68 / 67																					5														
66 / 65																					1														
64 / 63																					1														
TOTAL		50.0	33.3	16.7															6	6	6														

PSYCHROMETRIC SUMMARY

75-76

252

STATION

STATION NAME

YEARS

MCNTM

PAGE 1

3300-0500

HOURS (L, S, T.)

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0600-0600
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
75/ 75				.1	.4													4	4																
75/ 77				1.3	1.5	.4	.1											27	27																
76/ 75		.1	1.1	5.5	2.6	.2												80	80																
76/ 73		1.1	7.3	9.3	1.3													152	152	3															
77/ 71		4.3	13.2	4.2	.5													184	184	47	2														
77/ 69	.2	9.3	14.3	1.3														206	206	204	70														
80/ 67	.2	11.3	5.6															142	142	319	216														
80/ 65	.1	3.4	.6															35	35	206	321														
74/ 63		1.3	.1															12	12	53	162														
80/ 61																				10	59														
80/ 59																					5														
80/ 57																					1														
TOTAL	.630	.341	.629	.7	6.2	.6	.1													842	842														

Element (X)	Σ x ²	Σ x	\bar{x}	s _x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Hum.	5908168	70247	63.4	7.585	842	≤ 60	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4249263	59751	71.0	3.230	842			65.0	28.1			90
Wet Bulb	3832295	56779	67.4	2.037	842			61.2	.3			90
Dew Point	3636374	55304	65.7	2.157	842			31.4				60

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
40- WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22510 AFCELEP AFB HI

67-73, 73-78

SEP

STATION STATION NAME

YEARS

MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.S.	Y B.	Dry Bulb	Wet Bulb	Dew Point		
87																		.1																1	1				
86								.1	.2	1.1	1.6							.1						.1										29	29				
85					.1	.1	3.4	5.3	4.3									.1		.1														115	115				
84		.1					2.6	7.5	9.6	.6																									124	164			
83			.2	1.6	8.9	14.9	1.4	.3																											238	238	1		
82		.1	.3	3.7	13.1	5.3	.1																												177	177	3	1	
81		.2	1.7	4.3	4.1	.4																													97	97	12	3	
80	.1	.3	2.6	2.2	.1																														46	43	157	6	
79		.1	.9																																	8	8	272	37
78		.1																																		1	1	362	141
77																																						99	259
76																																						2	162
75																																						27	
74																																						7	
73																																						1	
72																																						1	
71																																						1	
70																																						1	
TOTAL	.1	1.3	5.6	11.9	25.1	31.8	17.2	6.7	.3											.1	.1														899	899	899		
																																				899	899		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	3873461	58443	65.0	9.037	899	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$		
Dry Bulb	5677141	71369	79.4	3.019	899			90.3	89.1	45.1			90
Wet Bulb	4500077	63583	70.7	1.853	899			89.8	17.3				90
Dew Point	3975215	59735	66.4	2.654	899			43.8	1.0				90

USAFETAC FORM 0-26-5 (OL A) 7-64 REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

22508

WHEELER AFB HI

67-70, 73-18

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

225 '3 WHEELER AFB HI

67-72, 73-78

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

1950-1960
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

22508
STATIO

AFEELEAF AFS HI

67-73, 73-78

SEP

PAGE 1

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

67-73, 73-78

YEARS

SEP
MONTH

PAGE 1

ALL

ALL
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

22500	WHEELER AFB HI
STATION	STATION NAME

73-74

YEARS

367

501
MONTH

PAGE 1

0300-0500

5500-032
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

22-7a

REF ID: A63 41

67-70, 73-76

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

67-70, 73-78

YEARS

500
MC4TH

PAGE 1 C950-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

22538
STAT 2

ATTACHED ARE 51

67-77, 73-78

051

SEAT 2M

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
67							.1	.1	.8	.3								11	11									
68				.1		1.6	1.8	4.8	1.1	.2								93	90									
69			.3	1.1	3.1	7.6	7.8	1.1										196	196									
70		.1	.5	1.7	10.2	12.5	2.9											753	263									
71		.8	4.1	13.7	1.2	1.2	.1											195	195	1								
72	.2	.3	1.2	5.1	2.3	.9												92	92	11	1							
73		.8	1.4	1.5	1.3	.2												46	46	31	5							
74		.8	.8	.5	.1	.1												21	21	163	21							
75	.2	.4	.2	.1														9	9	255	43							
76	.4	.3	.2															9	9	353	98							
77																				78	212							
78	.1																	1	1	12	248							
79																				1	193							
80																					67							
81																					30							
82																					11							
83																					1							
TOTAL	.8	2.3	3.0	5.1	13.3	31.3	24.1	17.4	2.6	.2								930	930	930								

PSYCHROMETRIC SUMMARY

27000 WHEELER AFB HI
STATION STATION NAME

57-72, 73-76

YEARS

007
MONTH

PAGE 1 1970-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
82/ 81							.1											1	1				
81/ 79			.1	.2	.4	.2												3	2				
78/ 77		.6	.6	3.1	4.9	.7												85	85				
76/ 75		1.1	3.4	15.3	10.6	1.1												261	261	10	3		
74/ 73		1.6	9.7	18.9	2.6	.2												276	276	25	15		
72/ 71		2.8	9.1	5.4	1.1													153	153	107	27		
70/ 69		2.0	2.5	.6	.1													44	44	322	99		
68/ 67	.1		.2															3	3	282	251		
66/ 65																				79	252		
64/ 63																				6	130		
62/ 61																					45		
60/ 59																					9		
TOTAL	.1	8.1	26.9	43.4	9.9	2.3	.1													831	831		
																		831		831			
																					</		

PSYCHROMETRIC SUMMARY

CC T

MONTH

ALL

MOLES (1, 2, 3)

PSYCHROMETRIC SUMMARY

5-AI-24 NAME

YEARS

NOV
1954

0000-0200
MAY 11 5 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
67		50.0		50.0														4	4	1	1														
65																				1	1														
63																				2															
57																					2														
TOTAL		50.0		50.0														4	4	4	4														

Element (X)	Σ x ²	Σ x	\bar{x}	s _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	22661	335	63.8	14.198	q	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	18091	269	67.3	.500	4			90.0				90
Wet Bulb	16410	256	64.0	2.944	4			22.5				90
Dew Point	15459	248	62.0	5.228	4			22.5				90

PSYCHROMETRIC SUMMARY

YFARS

NOV
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
62 / 67		33.3			16.7													3	3				
66 / 65		16.7																1	1	2	1		
54 / 63		16.7																1	1	2	1		
62 / 61			16.7															1	1		2		
60 / 59																				2			
58 / 57																					1		
56 / 55																					1		
TOTAL		66.7	16.7		16.7													6	6	6	6		
																</							

PSYCHROMETRIC SUMMARY

NOV

MONTH

0600-0800

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV

MONTH

0900-1100

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

225.78
STATIS

WHEELER AFB HI

67-70, 73-76

NOV

PAGE 1 1500-1700
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

NCV
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

NGV
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 1 ALL
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

DEC

MONTH

0000-0200

HOURS 12-5-7

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTY

2300-05

HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

050

MONTH

0600-0800

HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
74/ 63								.1											1	1				
73/ 61						.5	.1												5	5				
72/ 59				.3	.2	2.9	.3	.1											35	35				
71/ 57				.9	3.8	2.7	1.6												79	79				
70/ 55			.7	3.5	8.3	3.7	1.1												154	154	1			
69/ 53		1.4	2.1	2.7	5.3	3.3	.6												184	184	2	1		
68/ 51	.1	3.9	5.2	7.3	3.5	1.4	.1												191	191	49	10		
67/ 49	1.0	2.3	5.5	3.3	3.2	.6													140	140	187	69		
66/ 47	.1	1.8	3.0	1.9	1.2	.1													73	73	260	84		
65/ 45		1.0	.7	.5	.1														20	20	207	157		
64/ 43			.1	.2	.1														4	4	137	198		
63/ 41	.1	.1																	2	2	55	147		
62/ 39																					13	99		
61/ 37																					4	54		
60/ 35																						29		
59/ 33																						7		
58/ 31																						3		
TOTAL	1.4	10.5	17.3	26.5	25.5	14.9	3.8	.2											888	888	388	388		

Element (X)	Σ x ²	Σ x	\bar{x}	s ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4855503	54913	73.1	11.109	888	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4780759	64537	72.7	3.426	888			90.3	48.0	1.8		93
Wet Bulb	3951836	59188	66.7	2.763	888			52.3	.3			93
Dew Point	3576889	56261	63.4	3.733	888			17.2	.1			93

PSYCHROMETRIC SUMMARY

020

TEARS

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

REC
MOVIN

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
80/ 81				.1	.1	.2	.6											9	9																
79/ 79			.4	.1	.2	1.4	.5	.5										27	27																
77/ 77			.5	.8	5.3	4.4	2.2	.1	.1									116	116																
76/ 75			.9	4.3	9.6	5.7	1.4	.1										194	194	4															
74/ 73		.7	3.0	13.9	6.4	4.7	.2											222	222	6	5														
72/ 71	.1	2.1	3.5	4.4	3.7	1.5	.2											135	135	46	14														
71/ 59		2.3	2.6	1.5	2.3	1.5	.2											91	91	175	58														
68/ 67	.7	1.9	1.2	.8	.9	.1												42	42	274	99														
66/ 55	.1	.5		.1	.2													8	8	202	163														
64/ 63		.6				.1												6	6	81	159														
62/ 61																				42	165														
61/ 59																				17	89														
60/ 57																				3	47														
58/ 55																					34														
54/ 53																					17														
52/ 51																					2														
50/ 49																					1														
48/ 47																					1														
46/ 45																					1														
TOTAL	.9	8.1	12.0	22.8	26.9	21.3	5.1	.8	.1										856	856	856														
																		856		956															

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4354174	60313	70.5	11.362	856	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	4635894	62934	73.5	3.230	856			91.5	61.7	1.8		93
Wet Bulb	3829706	57206	66.8	2.791	856			55.4	1.3			93
Dew Point	3423008	54024	63.1	3.964	856			16.9	.5			93

PSYCHROMETRIC SUMMARY

22505	WHEELER AFB MI
STATION	STATION NAME

67-7C, 73-7a

DEC

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
76/ 75		.1	.3	.4	.1													7	7					
74/ 73		.8	2.7	5.3	.5	.1												70	71	1				
72/ 71		2.2	10.2	11.7	3.7													204	205	8	3			
70/ 69	.4	5.7	14.1	8.1	2.7													228	228	68	24			
68/ 67	.1	3.7	6.8	4.9	.5													120	120	190	93			
66/ 65	.3	2.4	4.2	2.4	.1													78	78	226	143			
64/ 63	.1	.8	1.8	.3	.4													25	25	132	167			
62/ 61		.9	.3															6	6	70	136			
60/ 59																				35	85			
58/ 57																				4	59			
56/ 55																					1			
54/ 53																								
52/ 51																								
TOTAL	.9	16.3	40.2	33.9	8.9	.1														740	738			
																		738		738				

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point		
74 / 75			.5			.8																											5	5					
72 / 71			2.6	3.6	3.9	1.0																											43	43	4	2			
70 / 69		.5	8.3	13.5	4.7	.3																											105	107	22	15			
68 / 67		.8	13.0	13.0	2.8	.3																											115	115	71	49			
66 / 65		.5	8.3	4.7	4.1	.8																											71	71	118	67			
64 / 63			2.8	3.6	.3	.3																											27	27	91	96			
62 / 61			2.6	2.3																													19	19	38	73			
60 / 59						.3																											1	1	31	41			
58 / 57																																				10	30		
56 / 55																																					1	15	
54 / 53																																						5	
52 / 51																																						2	
TOTAL	1.8	38	140	716	8	2.8																													386	386	386		

PSYCHROMETRIC SUMMARY

22573	WHEELER AFB HI
STATION	STATION NAME

67-70, 73-73

YEARS

DEC
MONTH

PAGE 1

ALL

HOLDS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

67-70, 73-79

ALL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22506 WHEELER AFB HI

67-70, 73-79

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN			72.0	67.3	70.3		72.1		70.3		67.3	67.1	68.7	
	S D				.816	6.076		.900		1.506		.500	2.071	2.950	
	TOTAL OBS			1	6	4		7		6		4	18	46	
03-05	MEAN	62.3	60.5	66.5	65.9		68.0	69.9	70.9	68.5	68.0	65.5	65.5	65.6	
	S D	3.586	2.950	2.380	1.364		1.826	3.185	1.595			2.258	3.426	4.115	
	TOTAL OBS	26	6	4	9		7	7	10	2	3	6	20	100	
06-08	MEAN	64.1	63.7	65.1	66.9	66.7	70.4	71.2	71.7	71.0	69.9	67.6	65.7	68.0	
	S D	4.007	3.511	2.954	2.880	3.085	2.967	2.979	2.873	3.030	3.180	2.937	3.448	4.196	
	TOTAL OBS	855	790	679	835	856	836	854	879	842	866	830	828	10150	
09-11	MEAN	71.1	71.4	72.1	73.7	76.2	77.4	76.3	78.9	79.4	78.4	75.5	72.7	75.5	
	S D	3.323	3.660	3.233	3.303	3.105	3.086	3.020	3.066	3.019	3.267	3.370	3.426	4.387	
	TOTAL OBS	906	846	930	894	926	896	927	930	899	930	885	888	10857	
12-14	MEAN	74.3	74.8	75.2	76.4	78.6	80.1	81.3	82.2	82.2	80.8	78.0	75.6	78.3	
	S D	3.379	3.876	3.281	3.411	3.043	2.973	2.779	2.980	2.975	3.219	3.516	3.366	4.317	
	TOTAL OBS	906	845	929	893	928	897	926	930	898	930	886	870	10838	
15-17	MEAN	72.8	73.3	73.9	74.9	77.0	78.9	80.1	81.0	80.5	78.7	75.6	73.5	76.7	
	S D	3.325	3.574	3.274	3.397	3.145	2.915	2.912	2.826	2.975	3.093	3.309	3.230	4.307	
	TOTAL OBS	902	845	929	894	930	896	922	929	899	930	880	856	10812	
18-20	MEAN	68.7	68.8	69.4	70.4	72.5	74.3	75.3	75.9	75.2	74.0	71.3	69.5	72.1	
	S D	2.865	2.935	2.499	2.576	2.646	2.422	2.495	2.236	2.133	2.129	2.479	2.595	3.644	
	TOTAL OBS	813	776	380	830	845	823	827	850	824	831	761	740	9820	
21-23	MEAN	66.1	65.9	67.2	68.0	69.7	71.4	72.3	73.2	72.6	71.6	69.2	67.6	69.6	
	S D	3.002	2.790	2.035	2.004	2.037	1.942	1.802	1.626	1.758	2.011	2.280	2.634	3.322	
	TOTAL OBS	455	440	477	456	468	446	453	489	466	459	445	388	5442	
ALL HOURS	MEAN	69.9	70.1	70.8	72.1	74.3	75.8	76.9	77.6	77.3	76.0	73.3	71.1	73.6	
	S D	4.975	5.241	4.668	4.655	4.700	4.581	4.665	4.745	4.968	4.946	4.839	4.754	5.564	
	TOTAL OBS	4853	4548	5029	4817	4957	4801	4923	5017	4836	4949	4717	4608	58065	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22508 WHEELER AFB HI

67-70, 73-79

STATION		STATION NAME												YEARS											
HRS IL ST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN			68.0	64.3	64.8		67.1		67.3		64.0	64.1	65.2											
	S D				.816	2.062		1.345		.816		2.944	2.805	2.512											
	TOTAL OBS			1	6	4		7		6		4	18	46											
03-05	MEAN	60.3	59.3	63.5	63.1		65.7	66.1	68.0	66.0	65.3	62.7	63.5	63.2											
	S D	3.187	2.733	1.732	1.167		1.254	1.864	1.633			2.733	3.692	3.676											
	TOTAL OBS	26	6	4	9		7	7	10	2	3	6	20	100											
06-08	MEAN	61.8	61.3	62.2	63.6	65.1	66.4	67.1	67.8	67.4	66.8	65.1	63.2	64.9											
	S D	3.817	3.337	2.736	2.337	2.187	2.011	2.021	2.083	2.037	2.513	2.608	3.277	3.454											
	TOTAL OBS	855	790	879	835	856	835	854	879	842	866	830	826	10147											
09-11	MEAN	65.5	65.2	65.4	66.5	68.0	69.2	69.9	70.6	70.7	70.3	68.6	66.7	68.1											
	S D	2.996	2.995	2.225	2.432	1.982	2.082	1.894	1.955	1.853	2.068	2.140	2.763	3.075											
	TOTAL OBS	906	846	930	894	926	895	927	930	899	930	885	888	10856											
12-14	MEAN	66.6	66.4	66.4	67.3	68.7	69.9	70.7	71.4	71.4	70.9	69.4	67.6	68.9											
	S D	2.729	2.981	2.280	2.485	1.831	2.143	2.057	2.089	1.902	2.051	2.145	2.684	2.983											
	TOTAL OBS	906	845	929	893	928	897	926	930	898	930	886	870	10638											
15-17	MEAN	65.9	65.8	65.9	66.7	68.2	69.4	70.2	71.0	70.8	70.3	69.6	66.8	68.3											
	S D	2.777	2.884	2.250	2.402	1.829	2.066	1.997	2.133	1.869	2.078	2.117	2.791	2.996											
	TOTAL OBS	902	845	929	894	930	896	922	929	899	930	880	856	10812											
18-20	MEAN	64.4	64.1	64.3	65.1	66.7	67.8	68.6	69.3	69.2	68.9	67.1	65.3	66.7											
	S D	2.937	2.923	2.166	2.307	1.955	1.966	1.834	1.803	1.722	1.953	2.166	2.734	2.963											
	TOTAL OBS	812	776	880	830	845	823	827	850	824	831	781	738	9817											
21-23	MEAN	63.1	62.6	63.5	64.3	65.7	66.8	67.6	68.5	68.4	68.0	66.3	64.5	65.8											
	S D	3.217	3.046	2.179	2.146	1.828	1.800	1.702	1.721	1.639	1.966	2.233	2.877	3.039											
	TOTAL OBS	455	440	477	456	468	446	453	489	466	459	445	336	5440											
ALL HOURS	MEAN	64.7	64.4	64.7	65.7	67.2	68.4	69.2	69.9	69.8	69.4	67.7	65.8	67.3											
	S D	3.511	3.513	2.741	2.719	2.350	2.409	2.353	2.386	2.338	2.578	2.708	3.247	3.417											
	TOTAL OBS	4862	4548	5029	4817	4957	4799	4923	5017	4836	4949	4717	4602	58056											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF- WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22500 WHEELER AFB HI

67-70, 73-79

STATION		STATION NAME												YEARS											
HRS IL ST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN			66.0	62.3	61.5		64.6		65.8		62.0	62.4	63.1											
	S D				.816	.577		1.902		1.169		5.226	3.664	3.124											
	TOTAL OBS			1	6	4		7		6		4	18	46											
03-05	MEAN	59.0	58.5	62.0	61.7		64.4	64.3	66.5	64.5	63.7	61.0	62.2	61.8											
	S D	3.311	2.811	2.449	1.732		1.512	1.704	2.714			3.688	4.008	3.792											
	TOTAL OBS	26	6	4	9		7	7	10	2	3	6	20	100											
06-08	MEAN	60.0	59.9	60.5	61.7	63.1	64.4	65.0	65.9	65.7	65.2	63.8	61.9	63.1											
	S D	4.223	3.869	3.264	2.789	2.532	2.371	2.365	2.415	2.157	2.694	2.972	3.692	3.665											
	TOTAL OBS	855	790	879	835	856	835	854	879	842	866	830	826	10147											
09-11	MEAN	62.2	61.6	61.5	62.4	63.6	64.9	65.5	66.5	66.4	66.2	65.1	63.4	64.1											
	S D	4.146	4.145	3.345	3.461	2.975	3.096	2.774	2.798	2.654	2.866	3.052	3.733	3.750											
	TOTAL OBS	906	846	930	894	926	895	927	930	899	930	885	888	10656											
12-14	MEAN	62.0	61.5	61.2	62.1	63.4	64.5	65.3	66.1	66.0	65.9	65.0	63.2	63.9											
	S D	4.129	4.453	3.678	3.655	2.954	3.434	3.183	3.105	3.023	3.132	3.367	3.927	3.934											
	TOTAL OBS	906	845	929	893	928	897	926	930	898	930	886	870	10838											
15-17	MEAN	61.9	61.4	61.2	62.0	63.5	64.5	65.2	65.7	65.9	66.1	65.0	63.1	63.8											
	S D	4.028	4.174	3.343	3.498	2.905	3.102	3.010	3.031	2.928	3.088	3.088	3.964	3.805											
	TOTAL OBS	902	845	929	894	930	896	922	929	899	930	880	856	10812											
18-20	MEAN	61.9	61.2	61.2	62.0	63.5	64.3	65.1	66.0	66.2	66.3	65.0	63.0	63.8											
	S D	3.789	3.884	2.985	3.147	2.693	2.777	2.569	2.483	2.440	2.587	2.728	3.473	3.517											
	TOTAL OBS	812	776	880	830	845	823	827	850	824	831	781	738	9617											
21-23	MEAN	61.4	60.6	61.2	62.2	63.6	64.4	65.2	66.2	66.3	66.2	64.8	62.7	63.3											
	S D	3.903	3.865	3.002	2.867	2.507	2.416	2.315	2.334	2.124	2.438	2.748	3.632	3.512											
	TOTAL OBS	455	440	477	456	468	446	453	489	466	459	445	386	5440											
ALL HOURS	MEAN	61.7	61.1	61.1	62.1	63.4	64.5	65.2	66.1	66.1	66.0	64.8	62.9	63.8											
	S D	4.097	4.138	3.319	3.295	2.798	2.943	2.766	2.753	2.631	2.873	3.070	3.793	3.734											
	TOTAL OBS	4862	4548	5029	4817	4957	4799	4923	5017	4836	4949	4717	4602	58056											

RELATIVE HUMIDITY

JAN

STATION

STATION NAME

MEMORANDUM

4011

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.3	46.2	88.8	26
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	95.9	84.7	42.0	88.1	855
	09-11	100.0	100.0	100.0	100.0	99.1	82.1	59.2	31.2	7.0	73.9	906
	12-14	100.0	100.0	100.0	99.9	93.7	62.5	32.1	15.2	4.4	66.3	906
	15-17	100.0	100.0	100.0	100.0	97.2	77.1	40.4	19.3	4.9	69.3	902
	18-20	100.0	100.0	100.0	100.0	100.0	98.5	82.0	48.9	9.7	79.4	812
	21-23	100.0	100.0	100.0	100.0	100.0	99.6	94.5	74.9	18.2	84.8	455
TOTALS		100.0	100.0	100.0	100.0	98.6	89.3	72.0	52.4	18.9	78.7	4862

RELATIVE HUMIDITY

FEB

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	83.3	92.8	6
	06-08	100.0	100.0	100.0	100.0	100.0	98.9	93.7	81.0	38.5	87.4	790
	09-11	100.0	100.0	100.0	100.0	97.2	83.3	55.6	25.5	5.9	71.9	846
	12-14	100.0	100.0	100.0	99.9	87.5	54.6	27.8	12.7	5.2	64.2	845
	15-17	100.0	100.0	100.0	99.8	94.1	69.0	35.1	16.0	5.0	67.3	845
	18-20	100.0	100.0	100.0	100.0	99.6	96.4	74.0	38.7	7.6	77.1	776
	21-23	100.0	100.0	100.0	100.0	100.0	99.1	91.1	68.0	14.1	83.1	440
	TOTALS	100.0	100.0	100.0	100.0	96.9	85.9	68.2	48.9	22.8	77.7	4548

RELATIVE HUMIDITY

MAR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		81.0	1
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.0	50.0	85.8	4
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	93.3	74.7	23.9	84.9	879
	09-11	100.0	100.0	100.0	99.9	97.2	78.6	43.8	21.2	3.7	69.8	930
	12-14	100.0	100.0	100.0	99.8	87.6	50.3	22.1	10.2	1.7	62.7	929
	15-17	100.0	100.0	100.0	100.0	94.0	62.5	26.0	11.8	1.1	65.1	929
	18-20	100.0	100.0	100.0	100.0	99.8	96.6	69.7	31.3	4.2	75.6	880
	21-23	100.0	100.0	100.0	100.0	99.6	99.4	91.2	59.5	9.2	81.3	477
TOTALS		100.0	100.0	100.0	100.0	97.3	85.9	68.3	48.0	11.7	75.8	5029

RELATIVE HUMIDITY

APR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF CBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		84.0	6
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	88.9	22.2	86.0	9
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	90.5	69.8	19.2	83.5	835
	09-11	100.0	100.0	100.0	100.0	97.2	75.5	39.9	17.1	2.1	66.5	894
	12-14	100.0	100.0	100.0	99.6	86.6	45.7	20.8	7.5	1.0	61.9	893
	15-17	100.0	100.0	100.0	99.8	93.8	61.4	27.7	10.0	.8	64.8	894
	18-20	100.0	100.0	100.0	100.0	99.6	96.5	69.2	31.3	3.6	75.1	830
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	92.8	63.4	11.0	81.9	456
TOTALS		100.0	100.0	100.0	99.9	97.2	84.9	67.6	48.5	7.5	75.7	4817

RELATIVE HUMIDITY

MAY

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	100.0	75.0	50.0	50.0		75.0	4
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	90.3	67.2	14.1	82.5	856
	09-11	100.0	100.0	100.0	99.9	95.7	62.4	28.8	10.3	1.2	65.5	926
	12-14	100.0	100.0	100.0	100.0	83.8	35.8	15.8	5.2	.6	60.1	928
	15-17	100.0	100.0	100.0	100.0	91.6	52.2	23.1	9.8	1.4	63.6	930
	18-20	100.0	100.0	100.0	100.0	100.0	94.8	61.9	24.7	3.6	73.7	845
	21-23	100.0	100.0	100.0	100.0	100.0	99.6	89.7	58.5	7.9	81.1	468
TOTALS		100.0	100.0	100.0	100.0	95.9	74.2	51.4	32.2	4.1	71.6	4957

RELATIVE HUMIDITY

JUN

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	85.7	28.6	88.1	7
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	89.7	62.3	10.4	81.5	835
	09-11	100.0	100.0	100.0	100.0	95.3	63.7	33.4	10.9	1.1	66.0	895
	12-14	100.0	100.0	100.0	99.8	81.2	37.6	13.9	4.6	1.0	59.8	897
	15-17	100.0	100.0	100.0	100.0	89.6	47.3	16.3	6.0	.4	61.7	896
	18-20	100.0	100.0	100.0	100.0	99.9	90.5	55.3	15.4	1.9	71.2	823
	21-23	100.0	100.0	100.0	100.0	100.0	99.6	91.0	43.0	3.1	78.8	446
	TOTALS	100.0	100.0	100.0	100.0	95.1	76.3	57.1	32.6	6.6	72.4	4799

RELATIVE HUMIDITY

JUL

STATION

STATION NAME

15400

MCNIR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	28.6		76.9	7
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	57.1		82.4	7
	06-08	100.0	100.0	100.0	100.0	100.0	98.9	88.8	59.4	9.0	81.0	854
	09-11	100.0	100.0	100.0	100.0	97.4	61.5	28.0	7.8	1.5	65.3	927
	12-14	100.0	100.0	100.0	100.0	82.5	32.7	9.5	2.6	.6	58.8	926
	15-17	100.0	100.0	100.0	100.0	88.9	43.7	14.5	3.5	.5	60.9	922
	18-20	100.0	100.0	100.0	100.0	99.8	88.5	55.6	12.0	1.2	70.8	827
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	91.2	39.5	3.8	78.4	453
TOTALS		100.0	100.0	100.0	100.0	96.1	78.2	61.0	26.3	2.1	71.8	4923

RELATIVE HUMIDITY

AUG

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.0		85.8	10
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	92.2	63.9	9.8	82.0	879
	09-11	100.0	100.0	100.0	100.0	97.4	66.3	29.1	10.1	1.4	66.2	930
	12-14	100.0	100.0	100.0	99.8	84.3	30.6	9.6	3.2	.4	58.5	930
	15-17	100.0	100.0	100.0	99.9	92.7	40.0	12.8	2.2	.1	60.5	929
	18-20	100.0	100.0	100.0	100.0	100.0	91.9	60.1	11.8	.8	71.4	850
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	96.1	38.0	4.3	78.6	489
TOTALS		100.0	100.0	100.0	100.0	96.3	75.5	57.1	31.3	2.4	71.9	5017

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

22508 WHEELER AFB HI

67-70.73-78

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	87.3		85.5	6
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	50.0	87.0	2
	06-08	100.0	100.0	100.0	100.0	99.9	99.6	95.6	71.7	10.1	83.4	842
	09-11	100.0	100.0	99.9	99.8	97.2	61.7	28.6	6.7	.8	65.0	899
	12-14	100.0	100.0	99.9	99.6	82.0	32.3	10.7	3.9	.6	58.6	898
	15-17	100.0	100.0	100.0	99.9	91.3	43.8	16.7	6.6	.8	61.8	899
	18-20	100.0	100.0	100.0	100.0	100.0	96.1	70.5	18.7	1.2	73.6	824
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	97.9	51.3	4.1	80.3	466
TOTALS		100.0	100.0	100.0	99.9	96.3	79.2	65.0	42.8	8.5	74.4	4836

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

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March

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0-37-5 (OL A)

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

22508 WHEELER AFB HI

67-70,73-78

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	100.0	100.0	75.0	50.0	50.0	83.8	4
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	83.3	83.3	16.7	85.7	6
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.1	85.1	32.3	87.5	830
	09-11	100.0	100.0	100.0	100.0	98.0	80.7	50.7	21.5	4.4	70.8	885
	12-14	100.0	100.0	100.0	99.7	93.5	53.5	31.3	13.7	3.5	65.3	886
	15-17	100.0	100.0	100.0	100.0	98.3	79.7	46.9	19.5	4.9	70.3	880
	18-20	100.0	100.0	100.0	100.0	100.0	99.9	91.0	53.4	8.5	80.5	781
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	97.3	83.8	16.6	85.8	445
TOTALS		100.0	100.0	100.0	100.0	98.7	89.2	71.6	51.3	17.1	75.7	4717

RELATIVE HUMIDITY

22503
STATION

WHEELER AFB HI

67-70, 73-78

DEC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	66.7	22.2	85.0	18
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.0	40.0	88.9	20
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	96.9	84.3	32.3	87.5	826
	09-11	100.0	100.0	100.0	100.0	99.5	86.8	56.4	27.6	6.0	73.1	888
	12-14	100.0	100.0	100.0	100.0	95.4	61.1	30.7	13.6	2.8	66.0	870
	15-17	100.0	100.0	100.0	100.0	98.5	82.0	47.3	19.6	5.0	70.5	856
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	86.7	50.4	8.3	80.0	738
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	94.0	74.4	20.7	84.5	386
TOTALS		100.0	100.0	100.0	100.0	99.2	91.2	76.5	53.3	17.2	79.4	4602

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

22506 WHEELER AFB HI

67-70,73-79

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	98.6	89.3	72.0	52.4	18.9	78.7	4862
FEB		100.0	100.0	100.0	100.0	96.9	85.9	68.2	48.8	22.8	77.7	4548
MAR		100.0	100.0	100.0	100.0	97.3	85.9	68.3	48.0	11.7	75.8	5029
APR		100.0	100.0	100.0	99.9	97.2	84.9	67.6	48.5	7.5	75.7	4817
MAY		100.0	100.0	100.0	100.0	95.9	74.2	51.4	32.2	4.1	71.6	4957
JUN		100.0	100.0	100.0	100.0	95.1	76.9	57.1	32.6	6.6	72.4	4799
JUL		100.0	100.0	100.0	100.0	96.1	78.2	61.0	26.3	2.1	71.8	4923
AUG		100.0	100.0	100.0	100.0	96.3	75.5	57.1	31.3	2.4	71.9	5017
SEP		100.0	100.0	100.0	99.9	96.3	79.2	65.0	42.8	8.5	74.4	4836
OCT		100.0	100.0	100.0	100.0	97.2	82.0	65.6	43.7	5.3	75.0	4949
NOV		100.0	100.0	100.0	100.0	98.7	89.2	71.6	51.3	17.1	78.7	4717
DEC		100.0	100.0	100.0	100.0	99.2	91.2	76.5	53.3	17.2	79.4	4602
TOTALS		100.0	100.0	100.0	100.0	97.1	82.7	65.1	42.6	10.4	75.3	58056

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

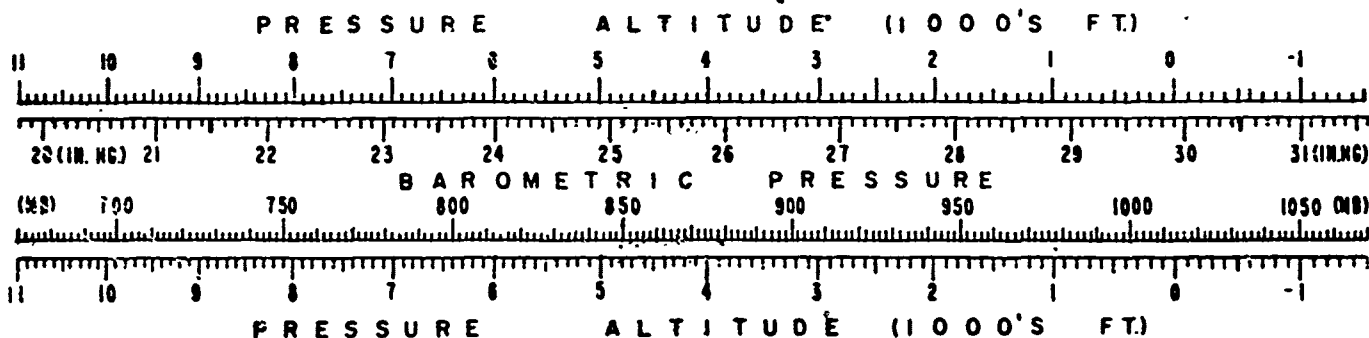
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

205 WHEELER AFB HI

67-70, 73-79

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
02						29.115			28.970		29.050			29.132	29.105
	MEAN													.022	.055
	S D														
	TOTAL OBS					2			1		1			6	10
05			29.171	29.187	29.280	29.080		29.145	29.108	29.119	29.100	29.080	29.077	29.093	29.139
	MEAN														
	S D		.084	.037	.138	.023		.026	.079	.034			.065	.076	.083
	TOTAL OBS		26	6	4	6		6	5	9	2	3	6	5	81
08			29.094	29.150	29.189	29.189	29.182	29.180	29.169	29.164	29.144	29.142	29.131	29.139	29.156
	MEAN														
	S D		.103	.100	.089	.084	.061	.055	.051	.043	.046	.057	.088	.091	.090
	TOTAL OBS		302	282	310	298	310	298	309	310	300	310	296	296	3621
11			29.106	29.166	29.201	29.198	29.184	29.182	29.172	29.170	29.151	29.145	29.136	29.147	29.154
	MEAN														
	S D		.105	.098	.086	.084	.062	.054	.052	.044	.046	.058	.088	.090	.079
	TOTAL OBS		302	282	310	298	308	299	309	310	300	310	295	295	3618
14			29.034	29.101	29.145	29.149	29.148	29.151	29.143	29.133	29.101	29.080	29.072	29.076	29.112
	MEAN														
	S D		.104	.098	.088	.083	.062	.055	.052	.044	.047	.058	.085	.092	.083
	TOTAL OBS		302	282	310	298	310	299	308	310	300	310	295	287	3611
17			29.043	29.093	29.131	29.130	29.129	29.130	29.122	29.113	29.096	29.087	29.079	29.085	29.103
	MEAN														
	S D		.099	.098	.098	.080	.061	.055	.052	.043	.046	.057	.084	.090	.078
	TOTAL OBS		300	281	310	298	310	298	307	309	299	310	293	284	3599
20			29.094	29.146	29.184	29.176	29.169	29.168	29.158	29.149	29.134	29.134	29.133	29.132	29.149
	MEAN														
	S D		.100	.093	.085	.081	.059	.052	.050	.039	.044	.055	.085	.091	.076
	TOTAL OBS		238	226	260	239	242	235	232	253	242	240	231	213	2851
23			28.960	29.190	29.130	29.147		29.230	29.127	29.150	29.163	29.180	29.210	29.163	29.156
	MEAN														
	S D													.031	.068
	TOTAL OBS		1	1	2	3		1	3	3	3	2	3	6	28
ALL HOURS			29.075	29.131	29.170	29.167	29.162	29.162	29.152	29.146	29.124	29.119	29.109	29.116	29.136
	MEAN														
	S D		.107	.102	.092	.086	.064	.057	.055	.048	.052	.063	.090	.095	.083
	TOTAL OBS		1471	1360	1506	1442	1480	1436	1474	1504	1447	1485	1419	1395	17419

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

STATION: WHEELER AFB HI

67-73, 73-79

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
2						1015.2			1010.1		1013.1			1015.3	1015.2
	MEAN														
	S D													.927	2.175
	TOTAL OBS					2			1		1			5	10
10			1012.7		1013.0	1017.1		1016.3	1014.7	1015.3	1012.4	1014.9	1015.6	1014.9	1015.6
	MEAN														
	S D					2.134		.891	3.127	1.247			1.197	2.560	2.084
	TOTAL OBS		1		2	5		6	4	7	1	2	4	8	41
15			1015.3	1017.4	1018.8	1018.6	1018.2	1018.1	1017.6	1017.0	1016.3	1016.4	1016.5	1016.9	1017.3
	MEAN														
	S D		3.659	3.353	2.917	2.719	1.756	1.552	1.586	1.573	1.665	1.960	2.635	3.213	2.577
	TOTAL OBS		297	282	310	297	310	297	309	310	300	310	293	287	3602
11			1015.6	1017.8	1019.1	1019.8	1018.2	1018.1	1017.7	1017.1	1016.4	1016.5	1016.6	1017.0	1017.4
	MEAN														
	S D		3.639	3.319	2.874	2.695	1.771	1.531	1.556	1.598	1.702	1.972	2.627	3.172	2.562
	TOTAL OBS		297	282	310	297	308	298	309	310	300	310	292	287	3600
14			1013.1	1015.5	1017.1	1017.2	1017.0	1017.0	1016.6	1015.7	1014.7	1014.4	1014.3	1014.5	1015.6
	MEAN														
	S D		3.537	3.323	2.837	2.624	1.746	1.510	1.565	1.606	1.691	1.974	2.556	3.162	2.772
	TOTAL OBS		296	261	310	297	310	298	308	310	300	310	293	280	3595
17			1013.4	1015.3	1016.7	1016.6	1016.4	1016.4	1015.9	1015.1	1014.4	1014.4	1014.6	1014.9	1015.4
	MEAN														
	S D		3.486	3.322	2.841	2.601	1.747	1.467	1.572	1.592	1.637	1.929	2.486	3.117	2.604
	TOTAL OBS		297	291	310	297	309	296	307	309	299	310	291	279	3587
20			1015.2	1017.2	1018.5	1018.2	1017.8	1017.6	1017.2	1016.4	1016.0	1016.1	1016.4	1016.6	1016.9
	MEAN														
	S D		3.431	3.288	2.854	2.588	1.705	1.454	1.508	1.430	1.572	1.854	2.572	3.250	2.573
	TOTAL OBS		238	226	260	239	242	235	232	253	242	240	231	213	2851
23						1020.7	1017.9		1019.1	1018.4	1016.3	1016.8	1016.5	1018.7	1017.7
	MEAN														
	S D													1.258	1.635
	TOTAL OBS					1	3		1	3	3	3	1	3	24
ALL HOURS			1014.5	1016.6	1018.0	1017.8	1017.5	1017.4	1017.0	1016.2	1015.5	1015.5	1015.7	1016.0	1016.5
	MEAN														
	S D		3.710	3.477	3.017	2.784	1.897	1.650	1.713	1.738	1.873	2.158	2.762	3.340	2.801
	TOTAL OBS		1428	1352	1503	1438	1479	1433	1473	1502	1446	1483	1407	1366	17310